

20000203.qrp v01\_n720.qrl.20000203

Date: Thu, 3 Feb 2000 19:03:07 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1720

QRP-L Digest 1720

Topics covered in this issue include:

- 1) [61957] RE: WalMart goes QRO  
by Bruce Toback <btoback@optc.com>
- 2) [61958] Re: OT: Practice Exams  
by "aluscre" <aluscre@neo.rr.com>
- 3) [61959] Re: FYBO operation Question  
by "Nick Kennedy" <nkennedy@tcainet.net>
- 4) [61960] Radial Info  
by Paul Womble <pwomble1@tampabay.rr.com>
- 5) [61961] Re: FYBO operation Question  
by "Paul Harden, NA5N" <na5n@rt66.com>
- 6) [61962] OT: FYBO 2K  
by Brian <brian@iquest.net>
- 7) [61963] Help needed OHR500  
by K4NK@aol.com
- 8) [61964] Re: Radial Info  
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 9) [61965] Re: Help needed OHR500  
by "Steve & Anne Ray" <sbralr@worldnet.att.net>
- 10) [61966] Re: 160m beacon?  
by Thomas Kuehl <ac7a@gci-net.com>
- 11) [61967] Re: Radial Info  
by "George T. Baker" <w5yr@att.net>
- 12) [61968] Re: WTB: Bird Wattmeter Elements  
by "Paul R. Valko" <prvalko@oakland.edu>
- 13) [61969] Re: FYBO: who's?  
by S LYON <sslyon@worldnet.att.net>
- 14) [61970] Briefcase Radio Station  
by Richard S McKee <kc8aon@juno.com>
- 15) [61971] FOX!!! New op Thursday Night  
by "Paul R. Valko" <prvalko@oakland.edu>
- 16) [61972] Re: Radial Info  
by "Dan W. Dooley" <dandooley@pipeline.com>
- 17) [61973] Re: Radial Info  
by "Dan W. Dooley" <dandooley@pipeline.com>
- 18) [61974] Re: Help needed OHR500  
by Larry Cahoon <wd3p@juno.com>
- 19) [61975] Re: Morse history URLs for <http://cw.hfradio.org>

- by "Dan W. Dooley" <dandooley@pipeline.com>
- 20) [61976] Re: Good cw/Bad cw  
by "Nick Kennedy" <nkennedy@tcainternet.com>
- 21) [61977] Re: Hawaii Hamfest Needs QRP Demo  
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 22) [61978] FYBO with the Doctor  
by "James R. Duffey" <jamesd1@flash.net>
- 23) [61979] Re: Responses to my 4BTV & vertical antenna queskins  
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 24) [61980] 24mHz band Miles per watt - K2 Mojo  
by Jim Hale <kj5tf@yahoo.com>
- 25) [61981] carbon resisters  
by Gordon <gordon@znet.groupz.net>
- 26) [61982] More Verticals  
by Monte Stark <ku7y@dri.edu>
- 27) [61983] Re: FYBO 2k  
by "Paul Harden, NA5N" <na5n@rt66.com>
- 28) [61984] FS: NCG 15 Meter SSB/CW mobile HF transceiver  
by Dave Redfearn <n4elm@home.com>
- 29) [61985] Re: More Verticals  
by GE1am30092@aol.com
- 30) [61986] RE: Kit - TenTec 1340 on the test bench - success  
by n5ib@juno.com
- 31) [61987] Re: FYBO with the Doctor  
by "Paul Harden, NA5N" <na5n@rt66.com>
- 32) [61988] Re: Good cw/Bad cw  
by Dick Carroll <dixie@townsqsr.com>
- 33) [61989] Re: Vertical vs Yagi  
by DONALD I ROHER <donroher@juno.com>
- 34) [61990] 24FT EXTENSION POLES  
by ARDUJENSKI@aol.com
- 35) [61991] FYBO NW STYLE  
by ARDUJENSKI@aol.com
- 36) [61992] Re: FYBO - who's gonna operate ?  
by "Jerry Scherkenbach" <jerrys@execpc.com>
- 37) [61993] Re: Denoting fractional power with cw. Late Europoint of view.  
by "Juan Jose Pastor Estornell" <juanjope@ctv.es>
- 38) [61994] Re: Stand alone PSK-31  
by "Graeme Zimmer" <gzimmer@bigpond.com>
- 39) [61995] FS  
by "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
- 40) [61996] Re: FYBO NW STYLE  
by "Francis Callahan" <colcal@srv.net>
- 41) [61997] Bug speed - spring steel source  
by Peter\_Simpson@ne.3com.com
- 42) [61998] Re: carbon resisters  
by Charles R Greene <cgreene7@juno.com>
- 43) [61999] Re: Stand alone PSK-31

by Charles R Greene <cgreene7@juno.com>  
44) [62000] Re: Radial Info  
by Charles R Greene <cgreene7@juno.com>  
45) [62001] FS: NC20, NC40A, ARK4 (updated)  
by Mont Pierce <km6wt@yahoo.com>  
46) [62002] re:OHR500..Thanks  
by K4NK@aol.com  
47) [62003] RE: WalMart goes QRO  
by Karl Kanalz <KKanalz@excel.com>  
48) [62004] FYBO website?  
by <aa5yx@juno.com>  
49) [62005] Re: Denoting fractional power with cw. Late Europoint of view.  
by "Diz - WB8QYY" <wb8qyy@one.net>  
50) [62006] CCW and Dog days of yore. PSK-31  
by John R Kirby <n3aaz-qrp@juno.com>  
51) [62007] Re: Stand alone PSK-31  
by "Chuck Carpenter" <w5usj@globeco.net>  
52) [62008] New Call  
by Bob Hightower <ki7mn@extremezone.com>  
53) [62009] Re: CCW and Dog days of yore. PSK-31  
by "Steve Yates, AA5TB" <aa5tb@swbell.net>  
54) [62010] New Call  
by Bob Hightower <ki7mn@extremezone.com>  
55) [62011] 12M band miles per watt record AGAIN  
by Jim Hale <kj5tf@yahoo.com>  
56) [62012] Fox: <http://home.rica.net/phelbert/foxx.htm>  
by "Paul Helbert, Wv3j" <phelbert@rica.net>  
57) [62013] Re: Good cw/Bad cw  
by "Dan W. Dooley" <dandooley@pipeline.com>  
58) [62014] Free internet access problems  
by "Don Wilhelm" <w3fpr@arrl.net>  
59) [62015] Re: Stand alone PSK-31  
by "Don Wilhelm" <w3fpr@arrl.net>  
60) [62016] Re: WalMart goes QRO  
by "Dan W. Dooley" <dandooley@pipeline.com>  
61) [62017] Re: OT: FYBO 2K  
by Brian <brian@iquest.net>  
62) [62018] low power psk31  
by "Mark Paley" <mpaley@wcnet.org>  
63) [62019] Re: Free internet access problems  
by "Diz - WB8QYY" <wb8qyy@one.net>  
64) [62020] What SPC means  
by Roger Hightower <n7kt@earthlink.net>  
65) [62021] Re: CCW and Dog days of yore. PSK-31  
by Monte Stark <ku7y@dri.edu>  
66) [62022] Re: 24FT EXTENSION POLES  
by Dick Carroll <dixie@townsqr.com>  
67) [62023] Re: Denoting fractional power with cw. Late Europoint of view.

- by Dick Carroll <dixie@townsqsr.com>
- 68) [62024] CONTEST: QRP Calendar - Feb 2000  
by Ken Newman <N2CQ@citnet.com>
- 69) [62025] Re: Denoting fractional power with cw. Late Europoint of view.  
by Monte Stark <ku7y@dri.edu>
- 70) [62026] Re: CCW and Dog days of yore. PSK-31  
by Bill Jones <kd7s@psnw.com>
- 71) [62027] Re: FS  
by "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
- 72) [62028] Re: CCW and Dog days of yore. PSK-31  
by "Dan W. Dooley" <dandooley@pipeline.com>
- 73) [62029] Re: low power psk31  
by "Don Wilhelm" <w3fpr@arrl.net>
- 74) [62030] PCB  
by "Eddie" <Eddie@nac.net>
- 75) [62031] Hands Kits  
by "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
- 76) [62032] Re: Free internet access problems  
by "Brad Hernlem" <alihernlem@hotmail.com>
- 77) [62033] Unheard but seen PSK-31  
by Monte Stark <ku7y@dri.edu>
- 78) [62034] Re: low power psk31  
by Wb8siw@aol.com
- 79) [62035] 13 WPM Code Tapes (Free) well almost.  
by Casey Ray <clray@usc.edu>
- 80) [62036] Fox: Log 02-02-00  
by "Paul Helbert, Wv3j" <phelbert@rica.net>
- 81) [62037] CW, bugs, and bad fists...  
by Larry East <w1hue@amsat.org>
- 82) [62038] Re: FYBO 2k  
by jaywa5whn@juno.com
- 83) [62039] RE: 13 WPM Code Tapes (Free) well almost.  
by Casey Ray <clray@usc.edu>
- 84) [62040] RE: "Free" Internet access  
by Larry East <w1hue@amsat.org>
- 85) [62041] Re: "Free" Internet access  
by "Caitlyn M. Martin" <caitlyn@netferrets.net>
- 86) [62042] Re: 24FT EXTENSION POLES  
by "Bob Tellefsen" <n6wg@earthlink.net>
- 87) [62043] Re: Denoting fractional power with cw. Late Europoint of view.  
by "Bob Tellefsen" <n6wg@earthlink.net>
- 88) [62044] Decimal Point = R  
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
- 89) [62045] "R" = Decimal  
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
- 90) [62046] Re: Decimal Point = R  
by "Diz - WB8QYY" <wb8qyy@one.net>
- 91) [62047] Re: low power psk31

- by Laura Halliday <va3ldh@sympatico.ca>
- 92) [62048] Re: Decimal Point = R  
by Richard Matthews <prm@hiwaay.net>
- 93) [62049] Tuna Tin 2 QSLs  
by "Ed Hare, W1RFI" <w1rfi@arrl.net>
- 94) [62050] QRP in Hawii  
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
- 95) [62051] QRP in a briefcase  
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
- 96) [62052] Re: low power psk31  
by Richard Matthews <prm@hiwaay.net>
- 97) [62053] Des-a-mill point  
by hamjoel@juno.com
- 98) [62054] Where to get a Spec sheet and order form for W6MMA SLV?  
by Sam Billingsley <SBillingsley@usaninc.com>
- 99) [62055] N7KSB Transmitter  
by Kenneth Hoglund <hoglund@wfu.edu>
- 100) [62056] Low Power PSK31  
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
- 101) [62057] Re: low power psk31  
by Richard Matthews <prm@hiwaay.net>
- 102) [62058] RE: "Free" Internet access  
by "J. W. (Dub) Thornton" <dub@oklahoma.net>
- 103) [62059] North Georgia QRP Club to Meet Saturday, Feb 5, 2000 in Metro Atlanta, GA  
by Sam Billingsley <SBillingsley@usaninc.com>
- 104) [62060] Re: "Free" Internet access  
by "Mel Evans, Registered Arachne User" <mel@euramcom.freemove.co.uk>
- 105) [62061] Fox; Correction to log  
by "Paul Helbert, Wv3j" <phelbert@rica.net>
- 106) [62062] Re: "Free" Internet access  
by "Caitlyn M. Martin" <caitlyn@netferrets.net>
- 107) [62063] Re: Free internet access problems  
by "Randall" <Firefox@Southwind.net>
- 108) [62064] QRP Power designation  
by Bob Kellogg <ae4ic@nr.infi.net>
- 109) [62065] Re: QRP Power designation  
by Bob Patten <n4bp@bc.seflin.org>
- 110) [62066] Re: low power psk31  
by Bob Nielsen <nielsen@primenet.com>
- 111) [62067] Re: "Free" Internet access  
by RangerSF5@aol.com
- 112) [62068] OT: Free ISP's  
by Brian <brian@iquest.net>
- 113) [62069] 6 m transverter from 2 m or 20 m?  
by Arjen Raateland <Arjen.Raateland@vyh.fi>
- 114) [62070] Re: OT: Free ISP's  
by Monte Stark <ku7y@dri.edu>

- 115) [62071] RE: QRP Power designation  
by Dave Barrett <DBarrett@creo.com>  
116) [62072] Re: low power psk31  
by "Pastor-kc1di" <ELBC@PIVOT.NET>  
117) [62073] 6 meter transverter  
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>  
118) [62074] Re: "Free" Internet access  
by markmilburn <markmilburn@netzero.net>  
119) [62075] Re: xtal bandpass filters: Emtech NW8020  
by Bob Kellogg <ae4ic@nr.infi.net>  
120) [62076] Re: low power psk31  
by "George T. Baker" <w5yr@att.net>  
121) [62077] Re: low power psk31  
by "George T. Baker" <w5yr@att.net>  
122) [62078] FYBO - Texas Tarantulas get chilly  
by "Bob Helms" <af5z@inetport.com>  
123) [62079] Re: 6 m transverter from 2 m or 20 m?  
by "Ed Manuel (N5EM)" <n5em@flash.net>  
124) [62080] Re: OT: Free ISP's  
by Jim Durkin <jimdurkin@yahoo.com>  
125) [62081] Re: 6 meter transverter  
by "Steven Weber" <kd1jv@moose.ncia.net>  
126) [62082] Re: Where to get a Spec sheet and order form for W6MMA SLV?  
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>

-----  
Date: Wed, 2 Feb 2000 17:01:24 -0700  
From: Bruce Toback <btoback@optc.com>  
To: <kory@avatar.com>, <qrp-1@Lehigh.EDU>  
Subject: [61957] RE: WalMart goes QRO  
Message-ID: <200002030001.RAA01900@landru.optc.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

Kory, AC6AN writes:

>Yikes! According to my calculations, if it has a 9.6 volt 900 mah battery,  
>it will last about 0.008 seconds! Better talk fast! :-)

Also, at the claimed range, it's capable of .008 miles per watt. I  
believe this is a record.

-- Bruce, KN6MN

-----  
Bruce Toback Tel: (602) 996-8601| My candle burns at both ends;

OPT, Inc. (800) 858-4507 | It will not last the night;  
11801 N. Tatum Blvd. Ste. 142 | But ah, my foes, and oh, my friends -  
Phoenix AZ 85028 | It gives a lovely light.  
btoback@optc.com | -- Edna St. Vincent Millay

-----  
Date: Wed, 02 Feb 2000 19:08:01 -0500  
From: "aluscre" <aluscre@neo.rr.com>  
To: dandoooley@pipeline.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [61958] Re: OT: Practice Exams  
Message-ID: <20000203000948.AAA3352@roadrunner.neo.lrun.com@neo.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Try-  
<http://www.clicktron.com/ham/index.html>

"Dan W. Dooley" wrote:

> Anyone know of on-line (Web) sites for taking practice Extra Class exams,  
> other than QRZ.COM?  
>  
> Been there, done that.  
>  
> Dan W. Dooley WB5TKA  
> e-mail to: dandoooley@pipeline.com  
> May Goddes love blest ye alle

--  
|-----|  
| Anthony A. Luscre |  
| KA8NRC |  
Stow, Ohio

-----  
Date: Wed, 2 Feb 2000 18:14:28 -0600  
From: "Nick Kennedy" <nkennedy@tcainternet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [61959] Re: FYBO operation Question

Message-ID: <005f01bf6ddb\$a3f3ea00\$215c32cf@tcac.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----  
From: "Roger Hightower" <n7kt@earthlink.net>

> The categories are:  
>  
> Single op (Home/Field) One call sign, one xmtr, one op  
> Multi-op (Home/Field) One call sign, one xmtr, more than  
one op.

I'm glad to hear there's a "Home" category (I was  
wondering). Hope lots of folks who can't make the Field  
deal will operate from home so there's lots of activity.

72,

Nick, WA5BDU

-----  
Date: Wed, 02 Feb 2000 19:36:10 -0500  
From: Paul Womble <pwomble1@tampabay.rr.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [61960] Radial Info  
Message-ID: <3898CD79.1E1C24E3@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I am working on my FYB0 (more like CoolYB0 here in Sunny Florida!) 5BTV  
vertical. When making radials, would single-conductor 1/4 wave radials  
for each band work any better than radials made from 5 conductor flat  
rotor cable? Each rotor cable radial would have a 1/4 wave conductor  
for each band but they would be side-by-side with the other radials.  
When using the "mono-band" radials there would be some seperation  
between the conductors.

73  
Paul AJ4Y

--



Polk County Chapter American Red Cross:  
<http://www.redcross.org/fl/polkcounty>  
Florida Contest Group:  
<http://www.qsl.net/fcg>

-----  
Date: Wed, 2 Feb 2000 17:37:56 -0700 (MST)  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: Nick Kennedy <nkennedy@tcainternet.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [61961] Re: FYBO operation Question  
Message-ID: <Pine.SUN.4.10.10002021728380.18615-1000000@shell.rt66.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 2 Feb 2000, Nick Kennedy wrote:  
> I'm glad to hear there's a "Home" category (I was  
> wondering). Hope lots of folks who can't make the Field  
> deal will operate from home so there's lots of activity.

Sitting out in a snowbank working QRP is not for everyone, and of course,  
there's vast areas of the country where there just doesn't seem to be  
much cold ... like New Mexico :-(

Every year on FYBO, I always work lots of home ops. You can always tell,  
because they send 70, 72 or 73 degrees for their exchange. I always  
admire working such home stations, because those guys are truly having  
fun (knowing they can't compete score-wise) and they are true troopers  
by helping the others have more contacts. So home stations are always  
welcome if you don't have a nearby snowfield to get to.

I think it was our friend N4BP who operated from atop a TV broadcast  
tower a couple of years back in Florida to get his operating temperature  
below 70 degrees. Now there's a first class trooper I'll never forget!  
Your participating in FYBO, even from the comfort and privacy of your  
own home, is always highly appreciated by everyone else. And like any  
contest, you'll have fun too seeing how cold everyone else is, who has  
the lowest temp, etc.

I'm planning on operating from San Lorenzo Canyon in Polvadera Peak,  
about 20 miles NW of Socorro. Maybe my temp that way will at least  
be below 50-60 degrees. Not quite as cool as Jay WA5WHN's trip to  
Apache Peak, which is high, spectacular pine and mountain country. In  
fact, with a little work, I bet we could work simplex 2M. Hmmm...

72, and GL for FYB0,  
Paul NA5N

-----  
Date: Wed, 02 Feb 2000 19:42:36 -0500  
From: Brian <brian@iquest.net>  
To: QRP-L <qrp-l@lehigh.edu>, Bob <w9ya@amsat.org>, Fred <n9ta@bluemarble.net>,  
Gary <k9ere@hotmail.com>, Jeff <WTHI99C@prodigy.com>, Jim <wd9eyb@qrp.com>,  
marty <mwattcpa@earthlink.net>, Rick <weber@accenttech.com>, Ted  
<KB9RPD@aol.com>, Todd <carpentt@citrine.indstate.edu>, Tom <n9dd@aol.com>,  
Subject: [61962] OT: FYB0 2K  
Message-ID: <3898CEFC.61ED2A7@iquest.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hey Hoosiers...

Saturday is Freeze Your Buns Off Contest for QRPers.

Are there any Indiana hams besides me that would like to participate?  
I'm looking for partners so I don't freeze to death by myself. I'm  
just south of Indy.

If interested, email me and not the list.

Thanks

72 de KB9BVN

--

=====  
KB9BVN -NORCAL #2792 FISTS #5695 QRP-L #1540  
39.558 N 86.095 W Johnson Co., Indiana  
GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w  
Proud to be a member of the American Radio Relay League  
Foxhunting Team UNDERDOG - Underdog #4  
FISTS Century Club #764 - FISTS QRP Century Club #24  
=====

-----  
Date: Wed, 2 Feb 2000 19:54:28 EST

From: K4NK@aol.com  
To: qrp-1@lehigh.edu  
Subject: [61963] Help needed OHR500  
Message-ID: <1a.6a7d0a.25ca2bc4@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Gang ;

I have a very nice OHR 500. It receives well but seems to have low audio . Are there any mods to increase the audio level with out really ripping in to the rig? I am just getting old I guess and can't hear as well . Thanks

72 Les Shattuck K4NK

ARCI Club Historian...

-----  
Date: Wed, 02 Feb 2000 18:55:38 -0600  
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>  
To: pwomble1@tampabay.rr.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [61964] Re: Radial Info  
Message-ID: <002101bf6de1\$6449f1a0\$51763ed8@aa5tb>  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"  
Content-transfer-encoding: 7bit

Paul,

If the radials are to laid on the ground I wouldn't bother trying to make them resonant. The ground detunes them anyway. Just lay as many as you can in a radius around the base of your antenna. Quantity is more important then length. Besides, the close proximity of the conductors in ribbon cable will look more like a single thick conductor anyway due to the large capacitance between the wires (please direct all flames to me off the list :-)

If the antenna is elevated resonant radials may be important if you don't have very many, otherwise just put as many as you can. "Really" tuning radials to resonance for five individual bands is nearly impossible anyway. Radial resonance is only important when you have only a few of them. Ideally the radials would be at least 1/4 wavelength at the lowest frequency of operation.

73,  
Steve Yates - AA5TB

Fort Worth, TX - EM12gs  
<http://home.swbell.net/aa5tb>

-----  
Date: Wed, 2 Feb 2000 20:38:47 -0500  
From: "Steve & Anne Ray" <sbralr@worldnet.att.net>  
To: <qrp-l@Lehigh.EDU>, <K4NK@aol.com>  
Subject: [61965] Re: Help needed OHR500  
Message-ID: <001701bf6de7\$6ed3a3e0\$a972fea9@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

While I don't have a OHR 400 I do have a OHR 100A and would suspect the audio is the same. I use a very comfortable pair of 600 ohm headphones and the audio was low. It was very weak on the headphone output and still not quite loud enough on the speaker output. I rigged up a Radio Shack audio transformer 8 ohm CT ohms to 1K ohm in a 35 mm film canister, plugged it into the speaker output, and now have all the audio I need. The catalog part number is 273-1380. The usual disclaimers.

72,

Steve Ray K4JPN ex K1VKW HW-101, HW-8, OHR-100A, SWL 30-40 and NC 38S  
HeathKit fan  
Warner Robins GA EM82fp

-----  
Date: Wed, 02 Feb 2000 18:48:32 -0700  
From: Thomas Kuehl <ac7a@gci-net.com>  
To: n0tu@webaccess.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [61966] Re: 160m beacon?  
Message-ID: <3898DE6F.9A45B886@gci-net.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello Steve:

I routinely hear several beacons here in Tucson. Three that I commonly come across are: 3NAZ at 1.799 MHz, 3NBM at 1.818 MHz, and 3NBO at 1.835 MHz. 3NBM was pretty good rival for some of the signals in CQWW 160 last weekend!

Regrads, Thomas - AC7A (Tucson)

Steve/n0tu wrote:

> I've been hearing what I think is a beacon at 1835KHz around 1200z.  
> ...signing "3NBO" with a long dash after the call sign. Anyone know where it  
> located? it's a

-----  
Date: Wed, 02 Feb 2000 19:55:03 -0600  
From: "George T. Baker" <w5yr@att.net>  
To: pwomble1@tampabay.rr.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [61967] Re: Radial Info  
Message-ID: <3898DFF7.3BF7E9ED@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

If the radials are going to be laying on the ground, they need not be resonant at all. The idea is to use as many short radials ( 0.1 to 0.2 wavelength) as you can. The more spread out the better.

Only radials that are at least 1/4 wavelength above ground provide any advantage by being resonant. Otherwise the presence of the ground detunes them. Radials on a ground-mounted vertical serve to collect return current and to reduce ground losses. Radials on an elevated vertical serve as resonant elements of the antenna system.

In any event, there is little advantage to 0.25 wavelength or longer radials over the shorter ones with ground mounting. Many years ago, Sevick showed that it was better to have a lot of short radials than a few long ones.

72/73, George  
Fairview, TX 30 mi NE Dallas in Collin county  
Amateur Radio W5YR, in the 54th year and it just keeps getting better!  
R/C since 1964 - AMA 98452 RVing since 1972

Paul Womble wrote:

>  
> I am working on my FYB0 (more like CoolYB0 here in Sunny Florida!) 5BTV  
> vertical. When making radials, would single-conductor 1/4 wave radials  
> for each band work any better than radials made from 5 conductor flat  
> rotor cable? Each rotor cable radial would have a 1/4 wave conductor  
> for each band but they would be side-by-side with the other radials.  
> When using the "mono-band" radials there would be some seperation  
> between the conductors.  
>  
> 73  
> Paul AJ4Y

-----  
Date: Wed, 2 Feb 2000 20:56:15 -0500 (EST)  
From: "Paul R. Valko" <prvalko@oakland.edu>  
To: Ed Kessler <edkess@epix.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [61968] Re: WTB:Bird Wattmeter Elements  
Message-ID: <Pine.OSF.4.20.0002022055140.9081-1000000@saturn3.acs.oakland.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I gave up too. I just bit the bullet and bought brand new ones.

Figure it's something I can hopefully use forever, so it's worth it.

73! =paul= W8KC  
Collector of Ten\*Tecs and other fine plastics.  
Visit the Virtual Ten\*Tec Museum at:  
<<http://www.acs.oakland.edu/~prvalko>>

On Wed, 2 Feb 2000, Ed Kessler wrote:

> I am tired of playing the bidding game on Ebay for these.  
> Does anyone have a 50w 1.8-30 MHz element for sale?  
> Also looking for the 50w 100-150 MHz element.  
>  
> Thanks,  
> Ed AA3SJ  
>

-----

Date: Wed, 02 Feb 2000 20:57:47 -0500  
From: S LYON <sslyon@worldnet.att.net>  
To: cqdx@teleport.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [61969] Re: FYB0: who's?  
Message-ID: <3898E09A.AE707C61@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

If'n I can get there, I'll be at the same spot, north slope of Mt Beacon on the shores of the Hudson, just north of WEST POINT NY. Can only field 40m & 20m rigs. Hope to be better insulated, this time.

72

-s-

AA1MY

-----  
Date: Wed, 2 Feb 2000 20:56:36 EST  
From: Richard S McKee <kc8aon@juno.com>  
To: qrp-1@Lehigh.EDU  
Subject: [61970] Briefcase Radio Station  
Message-ID: <20000202.205647.7639.3.kc8aon@juno.com>

Gang,

Just thought I would share a little something with you. A friend of mine has built a station in a briefcase complete with 3 - 7amp gel cel batteries, an Icom 706, an automatic antenna tuner, J-38 key, swr bridge and an antenna ! The builder is Steve Sheers, W8AFX, the name of the article is Forty Seven (47) Years in Ham Radio and you can see this amazing station by visiting our local ARES group webpage at the URL below. He even mentions QRP operation in the article !

<http://www.zoomnet.net/~wn8f>

I also have an article that may be of interest to some of you at that site, it's the article about my "KC8A0N Tactical Delta Loop" antenna that uses a basic G5RV as a starting point. I may be putting a "QRP" article together for the next issue that will be out about May or June. The name of the newsletter is "Hello Radio" and the Founding Editor is: Ken Massie, WN8F. Check it out, I think you will enjoy it.

73...Rick McKee KC8A0N      { CW lives as long as I do ! }

Willow Wood, Ohio  
AR QRP # 269  
QRP-L # 2112  
ZOMBIE # 718

-----  
YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
Juno now offers FREE Internet Access!  
Try it today - there's no risk! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.

-----  
Date: Wed, 2 Feb 2000 21:07:32 -0500 (EST)  
From: "Paul R. Valko" <prvalko@oakland.edu>  
To: QRP List <qrp-l@lehigh.edu>  
Subject: [61971] FOX!!! New op Thursday Night  
Message-ID: <Pine.OSF.4.20.0002022102090.9081-100000@saturn3.acs.oakland.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Just a reminder that Mike, WS8D will be sitting in for the vacationing fox  
(Steve W8SFF) this week.

Mike bagged quite a few fox last year even though he thinks his  
antenna set-up is less than ideal, I hope you hounds show up in force to  
give Mike a dose of the stuff he gave out last year.

WS8D lives near the out-of-town fox and will keep the same schedule as  
Steve published.

You guys having fun yet???

As always, fox info is found at my website below...

73! =paul= W8KC  
Collector of Ten\*Tecs and other fine plastics.  
Visit the Virtual Ten\*Tec Museum at:  
<<http://www.acs.oakland.edu/~prvalko>>

-----  
Date: Wed, 2 Feb 2000 20:07:38 -0600  
From: "Dan W. Dooley" <dandooley@pipeline.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>



Subject: [61972] Re: Radial Info  
Message-ID: <003f01bf6dec\$0a640620\$05987b7b@CSS0048.bergenbrunswick.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Oh I don't know if I'd go as far as to say "impossible", but I would say tuning multiple radials for multiple bands does require extraordinary patience, proper test equipment and procedure. I have found, at least as it applies to my Batternut, and I'm sure equally well to any base fed 1/4 wave vertical, radial tuning is critical to good performance of the antenna.

Having the minimum number to make the antenna work is one thing. Having enough to make it perform WELL, may not be the same thing. General conclusion I have now from much assistance on the subject is 4 per band is optimal.

Dan W. Dooley WB5TKA  
e-mail to: dandoooley@pipeline.com  
May Goddes love blest ye alle

>If the antenna is elevated resonant radials may be important if you don't  
>have very many, otherwise just put as many as you can. "Really" tuning  
>radials to resonance for five individual bands is nearly impossible anyway.  
>Radial resonance is only important when you have only a few of them.  
>Ideally the radials would be at least 1/4 wavelength at the lowest  
frequency  
>of operation.  
>

-----  
Date: Wed, 2 Feb 2000 20:18:28 -0600  
From: "Dan W. Dooley" <dandoooley@pipeline.com>  
To: <pwomble1@tampabay.rr.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [61973] Re: Radial Info  
Message-ID: <005a01bf6ded\$72b4ee00\$05987b7b@CSS0048.bergenbrunswick.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Paul, it seems like your idea of multiple band radials made from parallel wires ought to work. Problem would be tuning them. They WILL interact between bands. I think it will involve a lot of trial and error. It will not be a simple matter of cutting each section to formula length and going with it. I wish I was that way. I'd do it in a minuet! In my Butternut manual there is a scheme for using 300 ohm twinlead cut in such a fashion to provide 4 band radials. I'm sure it took some "engineering" to come up with the dimensions.

Dan W. Dooley WB5TKA  
e-mail to: dandoooley@pipeline.com  
May Goddes love blest ye alle

-----Original Message-----

From: Paul Womble <pwomble1@tampabay.rr.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Wednesday, February 02, 2000 6:41 PM  
Subject: Radial Info

>I am working on my FYBO (more like CoolYBO here in Sunny Florida!) 5BTV  
>vertical. When making radials, would single-conductor 1/4 wave radials  
>for each band work any better than radials made from 5 conductor flat  
>rotor cable? Each rotor cable radial would have a 1/4 wave conductor  
>for each band but they would be side-by-side with the other radials.  
>When using the "mono-band" radials there would be some seperation  
>between the conductors.

>

>73

>Paul AJ4Y

>

>--

>Polk County Chapter American Red Cross:

><http://www.redcross.org/fl/polkcounty>

>Florida Contest Group:

><http://www.qsl.net/fcg>

>

>

-----  
Date: Thu, 3 Feb 2000 02:26:48 +0000  
From: Larry Cahoon <wd3p@juno.com>  
To: K4NK@aol.com, qrp-1@Lehigh.EDU  
Subject: [61974] Re: Help needed OHR500  
Message-ID: <20000203.022649.3838.0.wd3p@juno.com>

On Wed, 2 Feb 2000 19:54:28 EST K4NK@aol.com writes:

>Gang ;

> I have a very nice OHR 500. It receives well but seems to have low  
>audio .

>Are there any mods to increase the audio level with out really ripping  
>in to

I've got the OHR 500 and the OHR 100A - 20 meters. I haven't used either of them a whole lot - still like the Sierra too much to take the time to get used to anything else. I haven't noticed low audio in either of them. Give Dick a call and see what he says. He is still doing the repair and alignment stuff for the new owner of OHR. That is your best source of advice. He will know what the common problems are and can save you a lot of time guessing and troubleshooting.

The only thing I will say is to make sure the plugs on the rear of the OHR 500 are well grounded. The one page addendum to the manual I got emphasized that. I ended up running a ground wire across all those plugs - key, phone, speaker, etc.

73 de Larry.....WD3P in MD

-----  
YOU'RE PAYING TOO MUCH FOR THE INTERNET!

Juno now offers FREE Internet Access!

Try it today - there's no risk! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

-----  
Date: Wed, 2 Feb 2000 20:32:36 -0600

From: "Dan W. Dooley" <dandooley@pipeline.com>

To: "Low Power Amateur Radio Discussion" <grp-l@Lehigh.EDU>

Subject: [61975] Re: Morse history URLs for <http://cw.hfradio.org>

Message-ID: <008801bf6def\$2125cd00\$05987b7b@CSS0048.bergenbrunswick.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

>From now on I'll be using my CW keys to have QSOs in Vail code.....

Dan W. Dooley WB5TKA

e-mail to: dandooley@pipeline.com

May Goddes love blest ye alle

>Did you know that S. F. B. Morse did NOT invent

>the "Morse" code? His assistant Alfred Vail did.  
>Morse's own proposed code was much different.  
>Vail did nearly all of the mechanical invention  
>as well.

-----  
Date: Wed, 2 Feb 2000 20:51:13 -0600  
From: "Nick Kennedy" <nkennedy@tcainternet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [61976] Re: Good cw/Bad cw  
Message-ID: <001901bf6df1\$8a1151c0\$215c32cf@tcac.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Apologies to those that were tired of it from the start; I  
have to throw in a few more comments. CW lives!

I guess I've found some merit in most all comments, except  
the guy who flatly refuses to work bugs, no matter how good  
the code they send is.

I had an interesting experience last night trying to test my  
new Red Hot 20. I got a guy across town to listen for me.  
The only time I'd ever heard him send was on Field Day,  
using my keyer. Only he's not a keyer guy. His sending was  
halting, with frequent errors, painful to hear. So when I  
worked him cross-town last night I was surprised at his fine  
fist. It took me a while to realize he was using a bug.

Another thing this dialog has brought to my attention--I'm  
not sure I even know what "swing" is. (Bob Wills? Benny  
Goodman?) I've been working CW for 38 years, so I'm sure  
I've heard it, but when? If it includes chopping up  
characters (inserting space \*within\* characters), then I  
don't like it. Because I can't copy it.

I'm pretty sure that "swing" whatever it is, is \*not\* just  
adjusting your ratios to your liking. When I put a zillion  
hobby hours into programming a computerized keyer about 15  
years ago, one feature I insisted on was adjustable ratio.

">If conditions make copying 3:1 code  
> difficult, then something other than that ratio becomes

even more difficult.

> It is like running your mike gain up to the point that the  
ALC needle starts  
> banging against the peg. "

No it isn't. Not it's not. There was no research done to  
determine that 3:1 is THE magical ratio best suited to the  
human brain. If that were the case you can bet the ratios  
wouldn't be integers. I've heard it said that under  
conditions of QRN, dits a bit heavier stand less of a chance  
of getting killed by a splash of static. I believe that to  
be true.

"Code sent at anything other than a 3:1 ratio is distorted.  
That  
> is fact. "

No it isn't.

3:1 works pretty well, and I seldom vary from it. (Too much  
trouble.) But both humans and machines can copy ratios  
other than 3:1 just fine. True, if you carry it to  
extremes, the resultant code can't be copied. But I wonder  
if you can even TELL that my ratio is dash: 3.4 to space and  
dit: 1.1 to space?

72,

Nick, WA5BDU  
in Arkansas

BTW--all this talk has gotten me interested in dusting off  
my Hi-Mound bug and seeing if I can learn to send worth a  
hoot with it.

-----

Date: Wed, 02 Feb 2000 21:53:45 -0500  
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>  
To: njqrp@njqrp.org  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [61977] Re: Hawaii Hamfest Needs QRP Demo  
Message-ID: <3898EDB9.DBBFFB91@home.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

If they want to pay for my flight and a few expenses I think I could clear my schedule ;-)

"David Hurley,n2zhy" wrote:

>  
> This came to me by way of a fellow Red Cross volunteer and QRP'r.  
> Anyone heading toward Hawaii and want to give a QRP demo?  
>  
> Wish I was the fortunate one! Best I can do is forward the NJQRP page  
> with the Slide Presentation info.  
>  
> Reply to Stuart at <stumanchu@webtv.net>  
>  
> David Hurley,n2zhy  
> Princeton,NJ  
> =====  
> Subject:  
>       Re: Big Island Hamfest/fleaMarket  
>   Date:  
>       Mon, 17 Jan 2000 15:07:28 -1000 (HST)  
>   From:  
>       stumanchu@webtv.net (Stuart Johnston)  
>   To:  
>       kh6b@juno.com (Dean W Manley)  
>   CC:  
>       w6ors@juno.com, n2zhy@amsat.org, kh6afq@juno.com  
>  
> Hello Dean, I sure would like to have a qrp demonstration at the event  
> in Waimea.Do you know of anyone who would be interested in promoting  
> qrp, by putting on a demo. If you may know of such a person or persons,  
> please let me know, ok. Thanks, Stuart  
> ===== NJ QRP Club Mailing List =====  
> To unsubscribe from this list, send email to listserver@vramp.net  
> and put the text "unsubscribe njqrp" in the message. To post a  
> message to the list, send email to njqrp@njqrp.org.

--

+++++

T.J. "SKIP" AREY N2EI   e-mail tjarey@home.com

Website   <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects!   LAZARUS LONG

-----

Date: Wed, 02 Feb 2000 19:57:33 -0700  
From: "James R. Duffey" <jamesd1@flash.net>  
To: "qrp-1" <qrp-1@lehigh.edu>  
Subject: [61978] FYBO with the Doctor  
Message-ID: <200002030257.UAA16053@bunyip.flash.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

Somebody wanted to know where people are operating for FYBO. I am traveling on business so I cannot join Jay and Gary at Coldspot/Sunspot. I will journey to Gallisteo Dam instead. This site is about 40 miles NE of Albuquerque and has good sloping radion horizons to the E and N. Effective height is quite good, a criteria I look for in poratble locations. I operated there for BUBBA, so the symmetry of the world requires that I return for the Yin to match the Yang.

Others are welcome and Tom WB5QYT has indicated that he might show up to help.

See you on the air. Projected Solar Flux is 160, so 10 M should be open. See on you on 10 M Jim??

I have a 0630 flight to catch so I need to get up at 0445. Need to get to sleep. - Dr. Megacyale KK6MC

James R. Duffey KK6MC/5  
30 Casa Loma Road  
Cedar Crest, NM 87008

-----  
Date: Wed, 02 Feb 2000 21:57:55 -0500  
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>  
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>  
Subject: [61979] Re: Responses to my 4BTV & vertical antenna queskins  
Message-ID: <3898EEB3.100EBE3B@home.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

This thread almost has me wondering something. Why couldn't you "Pot" an LDG??? Aren't all the relays sealed??? Interesting idea but I don't know if I'd want to be the first one to try it.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

-----  
Date: Wed, 2 Feb 2000 18:42:31 -0800 (PST)  
From: Jim Hale <kj5tf@yahoo.com>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [61980] 24mHz band Miles per watt - K2 Mojo  
Message-ID: <20000203024231.15780.qmail@web701.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Yesterday 2/2/00 C08LY was CQing on 24.896mHz with no callers. I called him with 10mW, no good, then 50mW and got him. Then resetting my power to 20mW I waited, and after he had another caller, and a few more unanswered CQ's he heard me at 20mW. At our distance thats 76550 miles per watt.

Once I have a QSL I can notch up my previous record by 15,000 miles. Its a great band, so put up something resonant for 12M and notch it up again !

My stn is the K2 #702, Ten Tec 290 step attenuator, & WM-2 wattmeter.

My 12m antenna? You will have to see it to BELIEVE it !

Visit my webpage and see the 12M record breaking tree quad. Looks like I need to ammend that page, eh? :)

My tree quad points to Europe, and NO I didnt rotate the tree, I wrked him off the SIDE of the beam!

It has no right to work, but quads only 8ft off the ground still work QUITE WELL.

Have fun,  
Jim KJ5TF  
"All milliwatts, All the time"

=====



Ham radio/alt energy - <http://www.qsl.net/kj5tf/>  
<http://www.madisoncounty.net/~kj5tf/>  
Milliwatting Editor ARCI QRP Quarterly  
Join/renew membership QRP Amateur Radio Club International  
<http://www.qrparci.org/arcijoin.html>  
AR QRP#2 - Kingston, Arkansas 35.94N 93.47W  
Private email [kj5tf@madisoncounty.net](mailto:kj5tf@madisoncounty.net)

-----  
Do You Yahoo!?  
Talk to your friends online with Yahoo! Messenger.  
<http://im.yahoo.com>

-----  
Date: Wed, 02 Feb 2000 22:08:17 -0500  
From: Gordon <[gordon@znet.groupz.net](mailto:gordon@znet.groupz.net)>  
To: [qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)  
Subject: [61981] carbon resisters  
Message-ID: <4.2.0.58.20000202220642.00978b70@mail.groupz.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Fellas

need a source for carbon resistors, really need two 47 ohm 2 watt carbon resistors.  
any help greatly appreciated

Gordon w4kyw

-----  
Date: Wed, 2 Feb 2000 19:25:48 -0800 (PST)  
From: Monte Stark <[ku7y@dri.edu](mailto:ku7y@dri.edu)>  
To: Low Power Amateur Radio <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Subject: [61982] More Verticals  
Message-ID: <Pine.GS0.4.10.10002021921230.24667-100000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

Bob, W1XT was kind enough to send me this URL. It has some very interesting info on another type of vertical array.

They are multi element parasitic array's.

Well worth looking.

<http://www.superphoenix.com/glad-highperformance.htm>

cul,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....  
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

-----

Date: Wed, 2 Feb 2000 20:26:55 -0700 (MST)  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: Bruce Toback <btoback@optc.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [61983] Re: FYBO 2k  
Message-ID: <Pine.SUN.4.10.10002022008330.19562-100000@shell.rt66.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 2 Feb 2000, Bruce Toback wrote:

> I thought that operating from astronomical observatories was verboten (or  
> at least extremely rude). But maybe that's because all the good  
> observatory sites around here also have radio astronomy facilities.

To answer this for those so interested ...

There is only ONE true FCC Quiet Zone in the U.S., and that is our sister observatory at Green Bank, West Virginia. This is an area where all transmitters, even cable TV repeaters, etc., must be specifically approved by the FCC and OK'd by the quiet zone committee before licensing. However, this has become such a headache and time intensive legal machine, that the FCC has decided to declare no more "quiet zones."

Instead, the frequencies used by radio astronomy are protected from other use, and localized quiet zones are established mostly by posting signs requesting all 2-way radios, cell phones, etc. be turned off. For example, the signs around the VLA say something to the effect "Radio Frequency Sensitive Area. Turn off all radio's and cell phones." We use the words "all radios" in the hopes most people will turn off their car radios, as even harmonics of the local oscillator in an FM

radio can saturate our front end receivers under certain conditions. And cell-phones are tearing us up bad. There are also no microwave ovens in the VLA cafeteria for the same interference reasons! Takes forever to warmup those breakfast burrito's in that dumb convection oven thingie we have :-)

Due to the extreme sensitivity of modern cyrogenically cooled radio telescopes, it takes a surprisingly small amount of RF to cause problems, and thus localized quiet zones are established by authority from the FCC. However, this does NOT apply to optical telescopes, such as the solar telescopes used at Big Bear and Apache Peak, New Mexico.

Your cooperation around radio telescopes is greatly appreciated :-)

If in doubt, contact the observatory you plan to operate near, and they will give you permission or not, or inform you when you CAN operate around their observing schedules.

> PS. How the heck do they generate a stable LO at 700 GHz?

Well, we don't have any LO's quite that high. 30-40GHz tops. That is made by sending 1200MHz and 1800MHz down a waveguide to each antenna, where it is mixed to make a phase coherent 600MHz. That, in turn, is multiplied up through phase lock loops to form the proper LO. The 1200 and 1800MHz is also transmitted back to the control building so we can measure "round trip phase" and compensate for the position of the antennas as the ground heats up and cools, or swells when the moon goes over. Things like that. When you listening to signals in the 10's of GHz, being collected by 27 antennas simultaneously over almost a 30 mile circle (that's 1/2 degree of the earth's surface), a few millimeters of antenna movement from the sun heating the metal suddenly equates to several wavelengths of error.

Knowing all of that, you are now rady for FYBO!!!

72, Paul NA5N

-----  
Date: Wed, 02 Feb 2000 21:40:10 -0600  
From: Dave Redfearn <n4elm@home.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [61984] FS: NCG 15 Meter SSB/CW mobile HF transceiver  
Message-ID: <3898F89A.A4C6BDD7@home.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

For Sale:

NCG 15M

15 Meter SSB/CW transceiver  
21.000 - 21.450 USB or CW (manual break-in)  
10 Watts PEP - Hi, 2 Watts PEP - Low  
VFO, RIT, Digital Display, Noise Blanker

Used, in very good condition, everything works  
with mike, DC cord, and manual.

Would be good for QRP satellite or regular SSB/CW rig.

\$150.00 OBO + shipping from 75070

73 - Dave

=====  
Dave Redfearn, ARS N4ELM, McKinney, TX  
Email: n4elm@NOJUNKhome.com (to reply, remove NOJUNK)  
QRL? de N4ELM/qrp

-----  
Date: Wed, 2 Feb 2000 22:40:01 EST  
From: GElam30092@aol.com  
To: ku7y@dri.edu, qrp-l@lehigh.edu  
Subject: [61985] Re: More Verticals  
Message-ID: <2f.108554c.25ca5291@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

In a message dated 2/2/00 8:27:10 PM US Mountain Standard Time, ku7y@dri.edu writes:

<< They are multi element parasitic array's.  
Well worth looking.  
<http://www.superphoenix.com/glad-highperformance.htm> >>

I met Mr. Myers (can't recall his first name) at Field Day last year with the Scottsdale club. Make sure you look at  
<http://www.superphoenix.com/gladqrp40.htm> where he mentions QRP and the K2.

Cheers,

Gerry  
PHX AZ

-----  
Date: Wed, 02 Feb 2000 23:45:11 EST  
From: n5ib@juno.com  
To: qrp-1@Lehigh.edu  
Subject: [61986] RE: Kit - TenTec 1340 on the test bench - success  
Message-ID: <20000202.223924.7767.4.N5IB@juno.com>

Thanks to all hands who offered advice on the TenTec 1340. Bruce came over and we confirmed the VFO and BFO operation but couldn't receive anything in the phase 5 checkout. Then discovered he had mis-connected a temporary capacitor jumper. Upon correcting that the receiver peaked up nicely. The transmit chain works OK through the Tx mixer. So now he's ready for phase 6 construction. This is a pretty neat radio.

Bruce attended our BRARC code class just because he had always wanted to learn morse. He really wasn't interested in getting a ham licence. But the instructors convinced him that since he had passed the 5 wpm test, he might as well take the novice written test - well, of course he passed. So, voila - one each, new ham! Bruce is a veterinarian at the LSU vet school - he's building an airplane in his other spare time !!

This was the first real Elmering I've done in many years - it was fun. Thanks, gents and ladies, for the timely tips. I'll post to y'all when Bruce is ready to get on the air. Maybe a new N/T+ fox in the making.

73,  
Jim N5IB

-----  
YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
Juno now offers FREE Internet Access!  
Try it today - there's no risk! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.  
-----

Date: Wed, 2 Feb 2000 22:03:44 -0700 (MST)  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: "James R. Duffey" <jamesd1@flash.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [61987] Re: FYBO with the Doctor  
Message-ID: <Pine.SUN.4.10.10002022156010.19832-1000000@shell.rt66.com>

MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 2 Feb 2000, James R. Duffey wrote:

> I will journey to Gallisteo Dam instead. This site is about 40 miles NE  
> of Albuquerque and has good sloping radion horizons to the E and N.

That is a nice area, and bound to at least be a bit "cool." It is about 30 miles SE of Santa Fe, just off the Sangre de Cristo mountain range. It is where the Confederate Army (under Gen. Sibley) camped the night before the battle of Glorietta in March 1862. In that battle, the Confederates lost everything from their horses to their entire supply wagons, and the 1600 survivors WALKED back to San Antonio, Texas in a most desperate retreat. So take your metal detector, Jim, as the area is still filled with Confederate artifacts.

> See you on the air. Projected Solar Flux is 160, so 10 M should be open.  
> See on you on 10 M Jim??

Yes, the solar flux is finally starting it's way back up from a low of around 130, and expected to be 160 or a bit higher by saturday. This indeed is good for FYB0, as the higher solar flux and quiet magnetic field will make all bands quite usable.

Have fun Dr. Megacycle! A contest for me is never complete until I work a few of the loyal ones, like KK6MC (even if he does consistently give me lousy signal reports -hi).

72, Paul NA5N

-----  
Date: Wed, 02 Feb 2000 23:07:06 -0800  
From: Dick Carroll <dixie@townsqr.com>  
To: nkennedy@tcainternet.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [61988] Re: Good cw/Bad cw  
Message-ID: <3899291A.164F7AFB@townsqr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Nick Kennedy wrote:

> -I'm  
> not sure I even know what "swing" is. (Bob Wills? Benny

> Goodman?) I've been working CW for 38 years, so I'm sure  
> I've heard it, but when? If it includes chopping up  
> characters (inserting space \*within\* characters), then I  
> don't like it. Because I can't copy it.

Nah, "swing" is just exaggerating the dah's. Like

dahhhhhhhhhh di dit     dit     dit dahhhh dahhhh  
dahhhhhhhhhh di di dit

etc... Some used to call it "Banana boat swing". It's not  
hard to copy at all. Not at all like choppy characters run  
together or poor spacing.

Dick WOEX

>  
> I'm pretty sure that "swing" whatever it is, is \*not\* just  
> adjusting your ratios to your liking. When I put a zillion  
> hobby hours into programming a computerized keyer about 15  
> years ago, one feature I insisted on was adjustable ratio.  
>  
> ">If conditions make copying 3:1 code  
> > difficult, then something other than that ratio becomes  
> even more difficult.  
> > It is like running your mike gain up to the point that the  
> ALC needle starts  
> > banging against the peg. "  
>  
> No it isn't. Not it's not. There was no research done to  
> determine that 3:1 is THE magical ratio best suited to the  
> human brain. If that were the case you can bet the ratios  
> wouldn't be integers. I've heard it said that under  
> conditions of QRN, dits a bit heavier stand less of a chance  
> of getting killed by a splash of static. I believe that to  
> be true.  
>  
> "Code sent at anything other than a 3:1 ratio is distorted.  
> That  
> > is fact. "  
>  
> No it isn't.  
>  
> 3:1 works pretty well, and I seldom vary from it. (Too much  
> trouble.) But both humans and machines can copy ratios  
> other than 3:1 just fine. True, if you carry it to

> extremes, the resultant code can't be copied. But I wonder  
> if you can even TELL that my ratio is dash: 3.4 to space and  
> dit: 1.1 to space?  
>  
> 72,  
>  
> Nick, WA5BDU  
> in Arkansas  
>  
> BTW--all this talk has gotten me interested in dusting off  
> my Hi-Mound bug and seeing if I can learn to send worth a  
> hoot with it.

-----  
Date: Wed, 2 Feb 2000 22:29:39 -0700  
From: DONALD I ROHER <donroher@juno.com>  
To: hdeitz@ms.rose.cc.ok.us  
Cc: qrp-1@Lehigh.EDU  
Subject: [61989] Re: Vertical vs Yagi  
Message-ID: <20000202.223703.-139291.1.DONROHER@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

While visiting by friend Ron at HRO a fellow came in and asked him for his most expensive rig.... Ron looked surprised and asked what kind of work would it be used for. The fellow said it didn't mater as long as it was the most expensive rig available.

Ron tried to set some sort of even ground and asked why the rig was needed.... The fellow replied that his wife said if he bought one more piece of ham gear she was going to leave him. He wanted to find out if he would miss her.....

On Wed, 2 Feb 2000 15:17:25 -0600 "Deitz, Harold L."  
<hdeitz@ms.rose.cc.ok.us> writes:  
> Ron,  
>  
> For \$12,000 you can have a full size 1/4 wave vertical, commercial  
> style,  
> installed (just like the commercial AM broadcasters use) complete  
> with 120  
> radials. It will handle QRO power without even getting warm! I  
> really  
> wanted a 5/8 wave, but the wife said that I really would have to  
> sleep in



> the dog house. (What she doesn't know is that that transmitter  
> house at the  
> bottom of the antenna is called a doghouse, he, he, he!)  
>  
> Hal

-----  
YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
Juno now offers FREE Internet Access!  
Try it today - there's no risk! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.

-----  
Date: Thu, 3 Feb 2000 00:49:22 EST  
From: ARDUJENSKI@aol.com  
To: qrp-1@lehigh.edu  
Subject: [61990] 24FT EXTENSION POLES  
Message-ID: <d.f4d54b.25ca70e2@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

I finally got to see those 24ft aluminum extension poles at HOME DEPOT. I caused a little stir extending it and seeing how much the top whips around (smile). Anyways it sure looks like a neat mast and so quick to put up. The \$39 tag really is not that bad. I was wondering if some of you may have used these in the field. It seems a RS guy ring would be just the ticket for the installation. Alan KB7MBI

-----  
Date: Thu, 3 Feb 2000 01:04:23 EST  
From: ARDUJENSKI@aol.com  
To: qrp-1@lehigh.edu  
Subject: [61991] FYBO NW STYLE  
Message-ID: <ba.12912e4.25ca7467@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Well, I should be working FYBO the whole day so you should work WA. Nothing fancy.

(1)RIG: QRP PLUS  
(2)PWR: BATTERY  
(3)ANT(S): Portable Inverted half square for 40 and 20M and an Inverted Vee 1/2 wave for 80M. (The half square is sometimes rotatable but not this time; XYL says no dice)

- (4)Goat roper hat with headphones (must have)
- (5)chemical hand warmers (for the rig of course)
- (6)several dozen chocolate chip cookies

GL to you all ---- Alan KB7MBI

PS. If it sounds like my code speed is up that is probably just me shivering from the cold

-----

Date: Thu, 3 Feb 2000 00:11:27 -0600  
From: "Jerry Scherkenbach" <jerrys@execpc.com>  
To: "DONALD I ROHER" <donroher@juno.com>  
Cc: <qrp-1@Lehigh.EDU>  
Subject: [61992] Re: FYBO - who's gonna operate ?  
Message-ID: <009101bf6e0d\$827e2ac0\$d443cfa9@execpc.com>

Thanks Don, we're hoping to work you from NQ9RP in the frozen tundra of Wisconsin. Sounds like a great site you'll be using.

72

Jerry N9AW

----- Original Message -----

From: DONALD I ROHER <donroher@juno.com>  
To: <jerrys@execpc.com>  
Cc: <qrp-1@Lehigh.EDU>  
Sent: Wednesday, February 02, 2000 11:53 AM  
Subject: Re: FYBO - who's gonna operate ?

- > WB0UFF and NL7QT will be operating from Camp Bouse, a secret place in
- > Arizona.
- >
- > Camp Bouse was a secret training camp for Patton's night fighting tanks.
- > This is one of about 10 training sites, there is some confusion as to the
- > number due to classified information. Some sites still have useable
- > underground facilities and hidden runways.
- >
- > The camps were spread around the southwest desert, in an area of 16200
- > sq. miles. they reached the Mexican boarder north to Las Vegas, and
- > Phoenix west to Riverside.
- >
- > Harry's olive drab pyramid tent fit the photo taken in 1943. He is camped
- > south of the main Chapel. I am sure there are some old QRPer's out there
- > that were assigned at these camps. Some of the names are:, Camp Young
- > (head quarters at Chiriaco Summit, now the Patton Museum), Camp Iron

> Mountain, Camp Granite, Camp Essex, Camp Ibis, Camp Hyder, Camp Horn,  
> Camp Laguna, Camp Pilot Knob, and Camp Bouse. There were/are bunkers and  
> secret spots all over the south west, many rumored to have been left  
> covered and stocked with supplies and equipment for Patton's return to  
> defend the home land (He was convinced that the Germans already had  
> developed the Heavy Water Bomb). He was killed by the effects of a minor  
> car accident and never made it back to the desert.

>

> The camps were closed in May of 1944. I believe Harry (WB0UFF) may be the  
> first radio signal from the camp since it was closed. We would love to  
> hear any one answer our calls, but would really like to talk with people  
> who were at these camps.

>

> We will move up to 40 and 80 meter ssb and cw after local sunset when the  
> contest ends. Harry will work 15 meters cw during the contest and I will  
> work 10 ssb (close to the QRP calling freqs.). I will be joining him late  
> Friday. We will have the usual DX-pedition equipment I drag along. Wire  
> dipoles and long wires, SG-2020's, a Kenwood 570 and Harry is using an  
> Icom, The model I don't know. Harry has built a neat 12 volt engine  
> powered alternator to charge batteries with.

>

> On Wed, 2 Feb 2000 04:39:51 -0600 "Jerry Scherkenbach"

> <jerrys@execpc.com> writes:

> > A few weeks ago I asked who is going to be on for FYB0 contest this  
> > coming

> > Saturday. I got some responses but not very many. Quite a few of  
> > those

> > responding are interested to know who is going to be on. SO LETS  
> > HEAR IT.

> > If you're going to be on please let us know.

> >

> > Here's a list of calls that are planning to operate:

> >

> > N3A0

> > WQ3RP

> > K5RAC

> > WA5BDU

> > KK5NA

> > AD6EZ

> > WA6GER

> > W6OTX

> > K7ON

> > KI7MN

> > N7XY

> > W7TA0

> > WB8QYY

> > NQ9RP

> > WQ0RP

> > N0TU  
> >  
> > There's got to be a bunch more. Those of us in the frozen tundra  
> > need  
> > encouragement to venture into the field.  
> >  
> > Thanks / 72  
> >  
> > Jerry N9AW  
> > Member of QRP Cheeseheads ARC, Wisconsin.....NQ9RP  
> >  
> >  
> >  
> >  
>  
> -----  
> YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
> Juno now offers FREE Internet Access!  
> Try it today - there's no risk! For your FREE software, visit:  
> <http://dl.www.juno.com/get/tagj>.  
>

-----  
Date: Thu, 3 Feb 2000 07:38:53 +0100  
From: "Juan Jose Pastor Estornell" <juanjope@ctv.es>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [61993] Re: Denoting fractional power with cw. Late Europoint of view.  
Message-ID: <001701bf6e11\$57ce4ae0\$587c243e@juanjopectv>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 8bit

Hi all,

Bob Kellogg wrote:

>Alex,  
>  
>I'm not sure that there is an "official" way to designate milliwatt  
>power.  
>  
>For the recent Milliwatt Contest, there was a suggestion that we use  
>"R", then a further suggestion that we try using "w" as a decimal point,  
>something like the European way of designating resistor values. Thus,

>250 mW becomes "w25" and 50 mW becomes "w05". 1.5 watts could even be  
>1w5. The thinking was that the "R" stood for "resistor", so the "W"  
>would mean "watt".

>

>This appealed to me, and we suggested it for the Holiday Milliwatt  
>Contest. It was just a suggestion, and some stations used it and some  
>did not. There was a little confusion about it (some questions), but,  
>by and large, I think it worked pretty well for a first trial.

>

>Based on the long history of using "R" as a decimal, perhaps we should  
>just stick with that, and forget the "W".

>

>CUL,

>Bob Kellogg, AE4IC Greensboro, NC

>Prolably, not nececelery. - Benny Hill

>

>

Tuppence from the European side.

I do not feel comfortable with the R for the decimal sign (point, comma, whatever you use), I do prefer the W when refering to Watts, the same way we use V when refering to Volts (3V6, 9V1 and so printed in the zener diodes bodies for identification) or picofarads (2P2, 4P7 and so), with the difference the latest is refering to multipliers and not exactly units (i.e. M for mega, K for kilo, m for milli, U for micro, N for nano and P for pico). I cannot help relating R to resistance, i.e, ohms, and I suppose the same is true for way more people than the ones relating it with "decimal" sign. As Ron would say, well, back to my hole...

73, 72 de Juanjo, EC5ACA/QRP. EA-QRP #104, G-QRP #9742, QRP-L #1662,  
NORCAL-QRP.

Juanjo Pastor  
C/San Roque, 4-1  
46460 Silla  
Valencia  
ESPA A

Tfn. +34 96 120 17 67  
e-mail casa (home): ec5aca@qsl.net  
e-mail trabajo (work): ec5aca@hotmail.com

-----

Date: Thu, 3 Feb 2000 18:04:19 +1100  
From: "Graeme Zimmer" <gzimmer@bigpond.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [61994] Re: Stand alone PSK-31  
Message-ID: <012801bf6e14\$e55334e0\$4e5b868b@zims1aptop>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi folks,

Am interested in the comments re a stand-alone PSK31 rig....

Reason being is that I have one working here in bread-board form....

It is based on the MicroChip PIC processor and uses an LCD screen and a PC keyboard.

At present it generates/receives an audio 800 hz tone, but I was thinking of changing the next version to a direct conversion TRX (using DDS chip) with no intermediate audio step....

What do you think..... should it be an audio add on for a SSB Trx..... or should it be a stand-alone QRP rig ????

And thanks for the idea of adding a keyer input..... Is that really a good idea? would people really prefer a keyer v/s a key board.....?

Oh yes, it (eventually) is intended to do CW as well as PSK31 and perhaps even RTTY..

Comments please ?

..... Zim ..... VK3GJZ

-----  
Date: Thu, 3 Feb 2000 10:55:57 -0000  
From: "Frank G3YCC" <frank@g3ycc.karoo.co.uk>  
To: "QRP-L" <qrp-l@lehigh.edu>, "GQRP-Club" <gqrp@onelist.com>  
Subject: [61995] FS  
Message-ID: <005001bf6e35\$41cc66e0\$29a732d4@kar2722i>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="x-user-defined"  
Content-Transfer-Encoding: 7bit

Need to clear out some gear so have my Index QRP Plus (mod to Mk 2). Great rig esp for CW, have worked G to VK and VK to G on simple antennas! Need to make room for other projects!  
Price is 300.00 PLUS postage.

Great for holidays (summer cometh...)

Pic on my web site of course.

Frank G3YCC GQRP 042

QRP web pages: <http://www.g3ycc.karoo.net>

-----  
Date: Thu, 3 Feb 2000 04:13:10 -0700  
From: "Francis Callahan" <colcal@srv.net>  
To: <ARDUJENSKI@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [61996] Re: FYBO NW STYLE  
Message-ID: <001901bf6e37\$a8571840\$22de070c@callahan>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

You forgot the milk as the cookies don't taste right without milk h i hi 72  
Cal KF7ET misplaced Vermonter in Idaho

----- Original Message -----

From: <ARDUJENSKI@aol.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Wednesday, February 02, 2000 11:04 PM  
Subject: FYBO NW STYLE

> Well, I should be working FYBO the whole day so you should work WA. Nothing  
> fancy.  
> (1)RIG: QRP PLUS  
> (2)PWR: BATTERY  
> (3)ANT(S): Portable Inverted half square for 40 and 20M and an Inverted Vee  
> 1/2 wave for 80M. (The half square is sometimes rotatable but not this  
time;  
> XYL says no dice)  
> (4)Goat roper hat with headphones (must have)  
> (5)chemical hand warmers (for the rig of course)  
> (6)several dozen chocolate chip cookies  
>  
> GL to you all ---- Alan KB7MBI  
>

> PS. If it sounds like my code speed is up that is probably just me  
shivering  
> from the cold  
>

-----  
Date: Thu, 3 Feb 2000 06:32:31 -0500  
From: Peter\_Simpson@ne.3com.com  
To: qrp-1@lehigh.edu  
Subject: [61997] Bug speed - spring steel source  
Message-ID: <8525687A.003F4489.00@usboxmta.ne.3com.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

www.smallparts.com (800-220-4242) has spring steel stock  
for those who wish to make their own "custom" springs.

Peter, KA1AXY

-----  
Date: Thu, 3 Feb 2000 06:30:58 EST  
From: Charles R Greene <cgreene7@juno.com>  
To: gordon@znet.groupz.net  
Cc: qrp-1@Lehigh.EDU  
Subject: [61998] Re: carbon resisters  
Message-ID: <20000203.064451.-444439.2.cgreene7@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

On Wed, 02 Feb 2000 22:08:17 -0500 Gordon <gordon@znet.groupz.net>  
writes:

Radioshack.com (Radioshack commercial) and Mouser both have  
a large assortment. Mouser also have 3 watters.

>  
> Hi Fellas



>  
> need a source for carbon resistors, really need two 47 ohm 2 watt  
> carbon  
> resistors.  
> any help greatly appreciated  
>  
>  
> Gordon w4kyw  
>

Charles Greene  
Amateur Call W1CG  
Bristol, RI

-----  
Date: Thu, 3 Feb 2000 06:43:20 EST  
From: Charles R Greene <cgreene7@juno.com>  
To: gzimmer@bigpond.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [61999] Re: Stand alone PSK-31  
Message-ID: <20000203.064451.-444439.3.cgreene7@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

On Thu, 3 Feb 2000 18:04:19 +1100 "Graeme Zimmer" <gzimmer@bigpond.com>  
writes:

Small Wonder is designing a 20 SSB rig that works with Digipan  
to cover 2 kHz on 20 with xtal control by tuning the audio.  
The designers found that the stability is critical for PSK31  
and existing QRP SSB rigs except the K2 were not stable  
enough. You could duplicate their efforts in a stand-alone  
rig, or make an adapter that would work with the K2 or the  
Small Wonder box. Dave Benson hasn't release the Small  
Wonder box yet. My preference would be for an adapter  
that I could use instead of a keyboard and computer with  
any rig.

> Hi folks,  
>  
> Am interested in the comments re a stand-alone PSK31 rig....  
>  
> Reason being is that I have one working here in bread-board form....  
>

> It is based on the MicroChip PIC processor and uses an LCD screen  
> and a PC  
> keyboard.  
>  
> At present it generates/receives an audio 800 hz tone, but I was  
> thinking of  
> changing the next version to a direct conversion TRX (using DDS  
> chip) with  
> no intermediate audio step....  
>  
> What do you think..... should it be an audio add on for a SSB  
> Trx..... or  
> should it be a stand-alone QRP rig ????  
>  
> And thanks for the idea of adding a keyer input..... Is that really  
> a good  
> idea? would people really prefer a keyer v/s a key board....?  
>  
> Oh yes, it (eventually) is intended to do CW as well as PSK31 and  
> perhaps  
> even RTTY..  
>  
> Comments please ?  
>  
> ..... Zim ..... VK3GJZ  
>  
>  
>

Charles Greene  
Amateur Call W1CG  
Bristol, RI

-----  
Date: Thu, 3 Feb 2000 06:26:02 EST  
From: Charles R Greene <cgreene7@juno.com>  
To: pwomble1@tampabay.rr.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [62000] Re: Radial Info  
Message-ID: <20000203.064451.-444439.1.cgreene7@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

On Wed, 02 Feb 2000 19:36:10 -0500 Paul Womble <pwomble1@tampabay.rr.com>

writes:

To answer your question, I think the 5 conductor cables would work ok. There has been some recent work reported in Communications Quarterly that says that some length other than 1/4 wavelength would work better if you have more than one radial per band. This is because the 1/4 wavelength radial has a low impedance and the one which has the lowest will hog the current. There have been some other studies that show most of the current in radials in contact with the ground occurs in the first .1 wavelength. Both of these studies indicate to me to use several .1 wave radials. So if you put in two .1 for 80, these radials will be effective on the higher bands. So

two single conductor .1 wavelength radials on 80 should work better than two multiple wire cables cut to 1/4 wavelength on all bands. I have a 6BTV, and I have 22 radials of random lengths of up to .2 wavelengths on each band. It would work better with more, but you reach diminishing returns with that many. In other words, 44 radials would give me a marginal improvement.

> I am working on my FYB0 (more like CoolYB0 here in Sunny Florida!)  
> 5BTV  
> vertical. When making radials, would single-conductor 1/4 wave  
> radials  
> for each band work any better than radials made from 5 conductor  
> flat  
> rotor cable? Each rotor cable radial would have a 1/4 wave  
> conductor  
> for each band but they would be side-by-side with the other  
> radials.  
> When using the "mono-band" radials there would be some seperation  
> between the conductors.  
>  
> 73  
> Paul AJ4Y  
>  
> --  
> Polk County Chapter American Red Cross:  
> <http://www.redcross.org/fl/polkcounty>  
> Florida Contest Group:  
> <http://www.qsl.net/fcg>  
>  
>

Charles Greene  
Amateur Call W1CG  
Bristol, RI

-----  
Date: Thu, 3 Feb 2000 04:36:46 -0800 (PST)  
From: Mont Pierce <km6wt@yahoo.com>  
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>  
Subject: [62001] FS: NC20, NC40A, ARK4 (updated)  
Message-ID: <20000203123646.17343.qmail@web112.yahoomail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I have several qrp rigs and no time to use them. They've been sitting on the shelf doing nothing for at least 6 months. I think it's high time I found a new home for some of them. Besides I could really use the money for another project.

Ok guys, I didn't get any responses at all last time. I know I've been out of touch and I have no idea of the current value of these items. So if your interested at all please make me an offer.

S&S Engineering Ark 4	\$120.00 obo
NC40A	\$110.00 obo
NC20 w/ agc mod	\$120.00 obo

NC20 unfinished                \$110.00 obo

I had given this one to a friend as a gift, but after installing only about 6 components he lost interest and gave it back. He did buy the 10-turn pot for it, which I'll include for free.

All prices include shipping to CONUS.

72,  
Mont

-----  
Do You Yahoo!?  
Talk to your friends online with Yahoo! Messenger.  
<http://im.yahoo.com>  
-----

Date: Thu, 3 Feb 2000 07:38:49 EST  
From: K4NK@aol.com  
To: qrp-1@lehigh.edu  
Subject: [62002] re:OHR500..Thanks

Message-ID: <77.13f052b.25cad0d9@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Well Gang.....I sure thank each of you for your help with the OHR 500 audio.  
Nothing wrong with the rig!..Tried several types of headsets and WA-LA...lots  
of audio. A pair of R/S phones with a mini jack in the speaker jack worked  
best but many others also worked. Thanks again.

72 Les K4NK

-----  
Date: Thu, 3 Feb 2000 06:40:30 -0600  
From: Karl Kanalz <KKanalz@excel.com>  
To: "'btoback@optc.com'" <btoback@optc.com>, Low Power Amateur Radio Discussion  
<qrp-l@Lehigh.EDU>  
Subject: [62003] RE: WalMart goes QRO  
Message-ID: <2D343922E283D211945C0008C7A41B2A01A743D4@adntex01.adsn.dal.excel.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

At 0.008 miles-per-watt, wouldn't that be a "negative record"?

Karl K - W8TIF

-----Original Message-----  
From: Bruce Toback [mailto:btoback@optc.com]  
Sent: Wednesday, February 02, 2000 6:01 PM  
To: Low Power Amateur Radio Discussion  
Subject: RE: WalMart goes QRO

Kory, AC6AN writes:

>Yikes! According to my calculations, if it has a 9.6 volt 900 mah battery,  
>it will last about 0.008 seconds! Better talk fast! :-)

Also, at the claimed range, it's capable of .008 miles per watt. I  
believe this is a record.

-- Bruce, KN6MN

-----

Date: Thu, 3 Feb 2000 04:51:45 -0800  
From: <aa5yx@juno.com>  
To: <qrp-1@lehigh.edu>  
Subject: [62004] FYBO website?  
Message-ID: <200002031251.EAA07433@disp-002.pocketmail.com>

I've been out of state and away from the list for a while. Is there a web site that details the upcoming FYBO contest?

Thanks,  
John Harper AA5YX/2  
Outdoor QRP Page: <http://www.qsl.net/aa5yx/index.html>

-----  
Date: Thu, 3 Feb 2000 08:05:19 -0500  
From: "Diz - WB8QYY" <wb8qyy@one.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [62005] Re: Denoting fractional power with cw. Late Europoint of view.  
Message-ID: <002a01bf6e47\$4d183a30\$0102050a@4002>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

OK my 2 cents worth too :-)

I agree 100 percent with Juanjo Pastor!

How do I tell someone the value of a kit resistor? Is 1R5 a 1.5 ohm resistor or a 1.5 watt resistor? Just because "we've always done it that way" does not make the "R" as a placeholder for the decimal point for power figures.

To me, there is absolutely no confusion when I hear 1W5, while 1R5 is a 1.5 ohm resistor in my book.

just my 0\$02 worth :-)

73 - Dieter (DIZ) Gentzow - WB8QYY "oo's"  
Loveland, Ohio - near Cincinnati; 39.218N - 84.305W  
FPqrp#-1 DL-QRP-AG#1454 QRP-L#1998 10-X#9389 CATT#26 K2#493  
<http://w3.one.net/~gentzow/wb8qyy.htm>

----- Original Message -----  
From: "Juan Jose Pastor Estornell" <juanjope@ctv.es>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Thursday, February 03, 2000 1:37 AM

Subject: Re: Denoting fractional power with cw. Late Europoint of view.

> Hi all,  
>  
> Bob Kellogg wrote:  
>  
> >Alex,  
> >  
> >I'm not sure that there is an "official" way to designate milliwatt  
> >power.  
> >  
> >For the recent Milliwatt Contest, there was a suggestion that we use  
> >"R", then a further suggestion that we try using "w" as a decimal point,  
> >something like the European way of designating resistor values. Thus,  
> >250 mW becomes "w25" and 50 mW becomes "w05". 1.5 watts could even be  
> >1w5. The thinking was that the "R" stood for "resistor", so the "W"  
> >would mean "watt".  
> >  
> >This appealed to me, and we suggested it for the Holiday Milliwatt  
> >Contest. It was just a suggestion, and some stations used it and some  
> >did not. There was a little confusion about it (some questions), but,  
> >by and large, I think it worked pretty well for a first trial.  
> >  
> >Based on the long history of using "R" as a decimal, perhaps we should  
> >just stick with that, and forget the "W".  
> >  
> >CUL,  
> >Bob Kellogg, AE4IC Greensboro, NC  
> >Prolably, not nececelery. - Benny Hill  
> >  
> >  
> Tupence from the European side.  
>  
> I do not feel comfortable with the R for the decimal sign (point,  
> comma, whatever you use), I do prefer the W when refering to Watts, the  
> same  
> way we use V when refering to Volts (3V6, 9V1 and so printed in the zener  
> diodes bodies for identification) or picofarads (2P2, 4P7 and so), with  
> the  
> difference the latest is refering to multipliers and not exactly units  
> (i.e. M for mega, K for kilo, m for milli, U for micro, N for nano and P  
> for  
> pico). I cannot help relating R to resistance, i.e, ohms, and I suppose  
> the  
> same is true for way more people than the ones relating it with "decimal"  
> sign. As Ron would say, well, back to my hole...

>  
> 73, 72 de Juanjo, EC5ACA/QRP. EA-QRP #104, G-QRP #9742, QRP-L #1662,  
> NORCAL-QRP.  
>  
> Juanjo Pastor  
> C/San Roque, 4-1  
> 46460 Silla  
> Valencia  
> ESPA A  
>  
> Tfn. +34 96 120 17 67  
> e-mail casa (home): ec5aca@qsl.net  
> e-mail trabajo (work): ec5aca@hotmail.com  
>

-----  
Date: Thu, 3 Feb 2000 08:07:33 -0500  
From: John R Kirby <n3aaz-qrp@juno.com>  
To: we6w@netzero.net, qrp-l@Lehigh.EDU  
Subject: [62006] CCW and Dog days of yore. PSK-31  
Message-ID: <20000203.080740.-29725.0.n3aaz-qrp@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Hello Ed and Group

RE:  
MDS and Ed's question . . .

>How abt: PSK-31/CW mode better than CW?

May be,  
check out that >>CCW<< mode.  
Any drawbacks other than throughput (data rate)?  
>From what I read,  
CCW works best at 12 WPM (throughput) or less.

RE:  
>waiting to hear . . .  
>doing it at 1 watt . . .  
Yep, MD (N3-land) to AZ (2000 miles) at 0.5 W.

RE:  
>Stoked  
You bet.



PSK31 is one super,  
weak signal mode,  
unbelievable!  
You can work a station ( Europe-G3 / US-N3 > 5 W ) and  
never hear  
(from the speaker with your ear)  
his signal.

John  
N3AAZ  
FM19xa

From: Ed Loranger <we6w@netzero.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Date: Wed, 02 Feb 2000 07:53:06 -0800  
Subject: Dog days of yore. PSK-31

Ed writes: . . . "IN PART"

. . . jk . . . snip . . .  
  
. . . jk. . . copy . . .  
>Had a nice chat with Bud/K5BNZ in NM. Last week  
>he had his first PSK-31 qso and is stoked about the mode.  
>Sounds great and I've followed all the threads. Now I'm  
>waiting to hear everyone is doing it at 1 watt, up and off  
>the qrp freqs so it'll be quiet for my cw qso's :)  
>  
>Am getting tired of apples and oranges comparisons. "PSK-  
>31 MDS better than CW!" How abt: PSK-31/CW mode  
>better than CW?  
>  
>Habba Day folks. 72/Ed we6w  
. . . jk. . . copy . . .

---

YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
Juno now offers FREE Internet Access!  
Try it today - there's no risk! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.

---

Date: Thu, 03 Feb 2000 07:10:34 -0600  
From: "Chuck Carpenter" <w5usj@globeco.net>  
To: gzimmer@bigpond.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [62007] Re: Stand alone PSK-31  
Message-ID: <3.0.2.32.20000203071034.007b4c00@bosshog.globeco.net>  
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Hi Zim,

What I'm hoping to see one day is something along the lines of a Kantronics All-mode. A PSK-31 box that I can run from my old 68K Mac laptop as a terminal (9600 or better) and connect to whichever rig. The CW keyer input would be OK but also be able to run it from the laptop keyboard.

I'd like to place my order now please 8^)...

Chuck Carpenter, EM22cv, Point, Rains County, Texas

-----  
Date: Thu, 03 Feb 2000 06:27:49 -0700  
From: Bob Hightower <ki7mn@extremezone.com>  
To: qrp-1@lehigh.edu  
Subject: [62008] New Call  
Message-ID: <200002031324.GAA29626@enterprise.extremezone.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Well, after saying I wouldn't do it, I did it. Now have a new call, NK7M.

The old call will stay on the e-mail for a few days, and the web page will be there for a bit as well, at least until I and my ISP get on the same sheet of music. Don't want to change anything there until after FYBO, anyway.

So, if you hear KI7MN on the bands anymore, it's just me with my head where it oughtn't to be. Should now be NK7M.

Bob Hightower KI7MN  
Chandler, AZ

<http://www.extremezone.com/~ki7mn>

-----  
Date: Thu, 03 Feb 2000 07:30:48 -0600  
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [62009] Re: CCW and Dog days of yore. PSK-31  
Message-ID: <002d01bf6e4a\$e2c59ca0\$8d763ed8@aa5tb>  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"  
Content-transfer-encoding: 7bit

Yep, PSK-31 is a great mode. My first QSO was with a station in England running 20w to a dipole to my 5w and a dipole on 20m and the QSO lasted over 30 minutes without missing a character! Strong QRM was just a few hundred Hertz away.

But, I've yet to be able to decode a signal that I can't hear with my ear contrary to all of the glowing reports. When the signal becomes inaudible to me the computer and software loses it too even the audio level is properly adjusted to the correct detection amplitude. Anyway, if you can't hear the signal how do you find it in the first place?

73,  
Steve Yates - AA5TB  
Fort Worth, TX - EM12gs  
<http://home.swbell.net/aa5tb>

-----  
Date: Thu, 03 Feb 2000 06:30:04 -0700  
From: Bob Hightower <ki7mn@extremezone.com>  
To: qrp-l@lehigh.edu  
Subject: [62010] New Call  
Message-ID: <200002031326.GAA29911@enterprise.extremezone.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

See, told 'ya I'd foul it up.....didn't change the sig line.

>Well, after saying I wouldn't do it, I did it. Now have a new call, NK7M.

>The old call will stay on the e-mail for a few days, and the web page will be there for a bit as well, at least until I and my ISP get on the >same sheet of music. Don't want to change anything there until after FYBO, anyway.

>So, if you hear KI7MN on the bands anymore, it's just me with my head where it oughtn't to be. Should now be NK7M.

Bob Hightower NK7M  
Chandler, AZ

<http://www.extremezone.com/~ki7mn>

-----

Date: Thu, 3 Feb 2000 05:52:28 -0800 (PST)  
From: Jim Hale <kj5tf@yahoo.com>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [62011] 12M band miles per watt record AGAIN  
Message-ID: <20000203135228.20537.qmail@web701.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

This morning at 13:08Z Ed, C08LY was CQ'ing agn on  
24.898mHz.

I called him at 12mW and exchanged reports.

Our distance is 1531 miles / .012w = 127,583 MPW.

I need to update my webite to reflect these changes!

My rig, K2 #702, Ten Tec 290 attenuator, & WM-2  
wattmeter.

My antenna is a crooked tree quad pointed at Europe,  
not Cuba... He must have a great antenna, and ears.

But he was working EuroDX before he heard me.  
Suggesting that his beam was pointed there too! hi hi

72 & 71's de Jim KJ5TF

=====

Ham radio/alt energy - <http://www.qsl.net/kj5tf/>  
<http://www.madisoncounty.net/~kj5tf/>  
Milliwatting Editor ARCI QRP Quarterly  
Join/renew membership QRP Amateur Radio Club International  
<http://www.qrparci.org/arcijoin.html>  
AR QRP#2 - Kingston, Arkansas 35.94N 93.47W  
Private email [kj5tf@madisoncounty.net](mailto:kj5tf@madisoncounty.net)

-----  
Do You Yahoo!?  
Talk to your friends online with Yahoo! Messenger.  
<http://im.yahoo.com>

-----

Date: Thu, 03 Feb 2000 09:26:22 -0500  
From: "Paul Helbert, Wv3j" <phelbert@rica.net>  
To: Low Power Discussion Group <qrp-l@Lehigh.EDU>  
Subject: [62012] Fox: <http://home.rica.net/phelbert/foxx.htm>  
Message-ID: <3899900E.B549AFB9@rica.net>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gangue,

The final log and notes from groundhog's day foxhunt  
<http://home.rica.net/phelbert/foxx.htm>

Follow a real sport: <http://home.rica.net/phelbert>

Thanks again for a great game!

Paul, Wv3j

-----  
Date: Thu, 3 Feb 2000 08:23:56 -0600  
From: "Dan W. Dooley" <dandooley@pipeline.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [62013] Re: Good cw/Bad cw  
Message-ID: <001001bf6e52\$6ead7ba0\$05987b7b@CSS0048.bergenbrunswick.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

"Art Form" I think is the best way to describe this CW think.

For this reason, and this is strictly my own personal thing (PLEASE!), I'm very tolerant to so-called "ugly construction" techniques for receivers, xmtrs, accessories, etc., but I think that homemade keys of any kind should be made as beautiful as possible. There's hardly anything (mechanical) more aesthetically appealing than a finely crafted key, whether, brass, chrome, or whatever, on a polished wooden base. I envy those who have made some of the beautifully handcrafted brass straight keys. Also, some really neat homemade paddles from such material as PC board are being made and shown on Web sites all the time. But ugly stuff... ugh!

Again, just my thoughts.....

Dan W. Dooley WB5TKA  
e-mail to: dandooley@pipeline.com  
May Goddes love blest ye alle

-----Original Message-----  
From: Monte Stark <ku7y@dri.edu>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Date: Wednesday, February 02, 2000 3:16 PM  
Subject: Re: Good cw/Bad cw

>>From what has been said, I feel that I am right in feeling  
>that CW is an art form. Others seem to feel the same way.

-----  
Date: Thu, 3 Feb 2000 09:45:43 -0500  
From: "Don Wilhelm" <w3fpr@arrl.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [62014] Free internet access problems  
Message-ID: <005801bf6e55\$91f6a840\$872c1004@dbw-11-main>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Folks,  
There have been several recent posts about free ISPs.  
I have used several of the free internet access programs, and am pleased  
with most - they have their drawbacks in the ad banners, but OT0H they are  
free.

I just recently loaded Bluelight.com, and found it also installed Yahoo  
messenger for me. THEN, I discovered that something had bound file and  
printer sharing to the TCP/IC protocol. As far as I am concerned, this is a  
serious privacy issue.

I may be hasty in blaming Bluelight.com, but I am not happy with the result  
right now.  
I thought others might like to know.

73,

Don Wilhelm -Chapel Hill, NC  
W3FPR QRP-L # 485 K2 SN 0020

-----  
NetZero - Defenders of the Free World  
Get your FREE Internet Access and Email at  
<http://www.netzero.net/download/index.html>

-----  
Date: Thu, 3 Feb 2000 09:47:41 -0500  
From: "Don Wilhelm" <w3fpr@arrl.net>  
To: <gzimmer@bigpond.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [62015] Re: Stand alone PSK-31  
Message-ID: <006101bf6e55\$a5e6b8e0\$872c1004@dbw-11-main>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Zim,

Yes, I for one am interested in what you have going on the breadboard.  
If I had my choices, I would like to see both paddle and keyboard input  
(standard - read readily available - PC keyboard).

Would you be able/willing to share your thoughts and progress by posting to  
a web-page? I think there is sufficient interest that many of us would want  
to contribute as well as see what you are doing. OTOH, if this is a  
proprietary effort, we can understand.

73,  
Don Wilhelm -Chapel Hill, NC  
W3FPR QRP-L # 485 K2 SN 0020

-----Original Message-----  
From: Graeme Zimmer <gzimmer@bigpond.com>

>  
>Am interested in the comments re a stand-alone PSK31 rig....  
>  
>Reason being is that I have one working here in bread-board form....  
>  
>It is based on the MicroChip PIC processor and uses an LCD screen and a PC  
>keyboard.  
>  
>snip ...

-----  
NetZero - Defenders of the Free World  
Get your FREE Internet Access and Email at  
<http://www.netzero.net/download/index.html>  
-----

Date: Thu, 3 Feb 2000 08:49:21 -0600  
From: "Dan W. Dooley" <dandooley@pipeline.com>  
To: <kd1yv@mindspring.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [62016] Re: WalMart goes QRO  
Message-ID: <009201bf6e55\$ddaad860\$05987b7b@CSS0048.bergenbrunswick.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Uhuh. Just saw this one. Let's see now. 500 watts gets me two miles.  
10,000 watts gets me.....

Dan W. Dooley WB5TKA  
e-mail to: dandooley@pipeline.com  
May Goddes love blest ye alle

-----Original Message-----

From: KD1YV <kd1yv@mindspring.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Wednesday, February 02, 2000 5:44 PM  
Subject: WalMart goes QRO

>Sorry if this is OT, but it's just too humorous to pass up :-)

>

>Check out the link <http://www.scanatlanta.com/500watt.htm>

>

>

>--

>72/73 de Jim, KD1YV

>Some days you're the dog, some days you're the hydrant.

>

>

-----  
Date: Thu, 03 Feb 2000 10:03:59 -0500  
From: Brian <brian@iquest.net>  
To: "James P. Osburn, P.E." <j.p.osburn@ieee.org>  
Cc: QRP-L <qrp-1@lehigh.edu>, Bob <w9ya@amsat.org>, Fred <n9ta@bluemarble.net>, Gary <k9ere@hotmail.com>, Jeff <WTHI99C@prodigy.com>, Jim <wd9eyb@qrp.com>, marty <mwattcpa@earthlink.net>, Rick <weber@accenttech.com>, Ted <KB9RPD@aol.com>, Todd <carpentt@citrine.indstate.edu>, Tom <n9dd@aol.com>, Subject: [62017] Re: OT: FYBO 2K



Message-ID: <389998DF.9B8FAF70@iquest.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

OK Jim, thanks anyway.

I may do it alone, thinking about running down to Camp Atterbury and setting up from my van so I don't freeze clear to death.

I'll take my Scout and my Norcal 40a, toss a wire up someplace and give it a spin. The FYBO contest is sponsored by the Arizona QRP Club every year. See the link below for more details.

<http://www.extremezone.com/~ki7mn/fybo2k.htm>

Have fun at your thing and I'll try to do the same!

73

"James P. Osburn, P.E." wrote:

>  
> Brian,  
>  
> I'm working on the MATHCOUNTS competition this Saturday so I can't make  
> it. It sounds like fun though so maybe I can make the next event.  
>  
> Jim, WD9EYB

--

=====

KB9BVN :NORCAL #2792 FISTS #5695/CC# 764 QRP-L #1540  
39.558 N 86.095 W Johnson Co., Indiana  
GRID: EM69WN - TenTec Scout - Attic Dipole - 5w  
Proud member of the American Radio Relay League  
Foxhunting Team UNDERDOG - Underdog #4

=====

-----

Date: Thu, 3 Feb 2000 10:09:17 -0800  
From: "Mark Paley" <mpaley@wcnet.org>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [62018] low power psk31  
Message-ID: <003901bf6e71\$ca4a73e0\$c0ac85cd@mpaley>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have been having a ball playing around with PSK31 at power levels of around 5 watts. Soon I will be building an interface unit similar to the one in the November, 1999 issue of QST. I have been following some of the thread on stand-alone PSK31 and am interested. When using PSK31 with computer and soundcard on the more popular frequencies for PSK31 are we legal? That is, frequencies as 21072, 14072, 7069, etc seem to active but isn't the use of LSB for PSK31 technically operating out of band (or band plan)? Forgive me if I'm missing the obvious--it's been almost ten years since I took my last license upgrade exam. And as they say, with age the memory is the second thing to go--I can't remember the first!

Mark Paley--KF8KL--

K2 #250

mpaley@wcnet.org

<http://www.wcnet.org/~mpaley>

-----  
Date: Thu, 3 Feb 2000 10:16:58 -0500  
From: "Diz - WB8QYY" <wb8qyy@one.net>  
To: <w3fpr@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [62019] Re: Free internet access problems  
Message-ID: <002201bf6e59\$b1608260\$0102050a@4002>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Don et al,

I installed bluelight.com yesterday morning on WIN NT40.  
I corrupted my email/dialer service. Had to reload my whole machine 6 hours  
:-(  
BE WARNED

73 - Dieter (DIZ) Gentzow - WB8QYY "oo's"  
Loveland, Ohio - near Cincinnati; 39.218N - 84.305W  
FPqrp#-1 DL-QRP-AG#1454 QRP-L#1998 10-X#9389 CATT#26 K2#493  
<http://w3.one.net/~gentzow/wb8qyy.htm>

----- Original Message -----

From: "Don Wilhelm" <w3fpr@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Thursday, February 03, 2000 9:48 AM

Subject: Free internet access problems

> Folks,  
> There have been several recent posts about free ISPs.  
> I have used several of the free internet access programs, and am pleased  
> with most - they have their drawbacks in the ad banners, but OTOH they are  
> free.  
>  
> I just recently loaded Bluelight.com, and found it also installed Yahoo  
> messenger for me. THEN, I discovered that something had bound file and  
> printer sharing to the TCP/IC protocol. As far as I am concerned, this is  
> a  
> serious privacy issue.  
>  
> I may be hasty in blaming Bluelight.com, but I am not happy with the  
result  
> right now.  
> I thought others might like to know.  
>  
> 73,  
>  
> Don Wilhelm -Chapel Hill, NC  
> W3FPR QRP-L # 485 K2 SN 0020  
>  
>  
>  
> -----  
> NetZero - Defenders of the Free World  
> Get your FREE Internet Access and Email at  
> <http://www.netzero.net/download/index.html>  
>

-----  
Date: Thu, 03 Feb 2000 08:01:34 -0700  
From: Roger Hightower <n7kt@earthlink.net>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [62020] What SPC means  
Message-ID: <3899984E.AD5D8A52@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

In an effort to stave off further questions, the term SPC in an exchange means State/Province/Country.

Sri I didn't elaborate in earlier postings. Thought everyone knew that.

--

72.....Roger

Roger Hightower, N7KT Mesa, AZ K2#591

-----

Date: Thu, 3 Feb 2000 07:30:25 -0800 (PST)  
From: Monte Stark <ku7y@dri.edu>  
To: John R Kirby <n3aaz-qrp@juno.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [62021] Re: CCW and Dog days of yore. PSK-31  
Message-ID: <Pine.GS0.4.10.10002030728110.28063-100000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 3 Feb 2000, John R Kirby wrote:

> You bet.  
> PSK31 is one super,  
> weak signal mode,  
> unbelievable!  
> You can work a station ( Europe-G3 / US-N3 > 5 W ) and  
> never hear  
> (from the speaker with your ear)  
> his signal.  
>

Hi John,

I'm including the list because I think others might also  
be wondering the same thing.....

If you can't hear the other station, how do you find them?

Or is all this work done on schedules?

I may give this a try later this year....

Thanks,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....  
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

-----  
Date: Thu, 03 Feb 2000 08:36:17 -0800  
From: Dick Carroll <dixie@townsqr.com>  
To: ARDUJENSKI@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [62022] Re: 24FT EXTENSION POLES  
Message-ID: <3899AE81.8C72F974@townsqr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

What is the collapsed length?

Dick W0EX

ARDUJENSKI@aol.com wrote:

>  
> I finally got to see those 24ft aluminum extension poles at HOME DEPOT. I  
> caused a little stir extending it and seeing how much the top whips around  
> (smile). Anyways it sure looks like a neat mast and so quick to put up. The  
> \$39 tag really is not that bad. I was wondering if some of you may have used  
> these in the field. It seems a RS guy ring would be just the ticket for the  
> installation. Alan KB7MBI

-----  
Date: Thu, 03 Feb 2000 08:51:54 -0800  
From: Dick Carroll <dixie@townsqr.com>  
To: juanjope@ctv.es  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [62023] Re: Denoting fractional power with cw. Late Europoint of view.  
Message-ID: <3899B22A.186BB79D@townsqr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

>  
> I do not feel comfortable with the R for the decimal sign (point,  
> comma, whatever you use),

Those who have copied ARRL's W1AW code practice sessions  
will notice that they use the "r" as a decimal in numbers.  
One part of each session is mostly number strings in which

they include the "r" when decimal is encountered. It's a well established usage, and when you get accustomed to it works very well. Anytime you hear an "r" in a string of numbers you know that it is a decimal.

73, Dick W0EX

-----  
Date: Thu, 03 Feb 2000 10:39:32 -0500  
From: Ken Newman <N2CQ@citnet.com>  
To: akqrp@gci.net, CQCLOWDOWN@aol.com, QRP-L@lehigh.edu, njqrp@njqrp.org  
Subject: [62024] CONTEST: QRP Calendar - Feb 2000  
Message-ID: <3.0.6.32.20000203103932.009b0de0@mail.citnet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

QRP Contesters,

Lots of contests on this month. Look for "FBY0", "CQC", "ARCI" and "ARS" events marked ...QRP Contest!

Don't forget some really good ones with ...QRP Category. We can compete against each other in those.

Plan to be in the reliable ARS Spartan Sprint on the first Monday evening of \*EVERY\* month. (0200z Tue)

If any errors or omissions noted, please rattle my cage!

Have a FB contest February!!

72 de Ken - N2CQ

~~~~~  
QRP CONTEST CALENDAR  
February 2000  
~~~~~

New Hampshire QSO Party (All) ... QRP Category

Feb 5 - 0000z to Feb 6 - 2400z

Rules: [http://www.nhara.nhradio.org/qso\\_index.html](http://www.nhara.nhradio.org/qso_index.html)  
~~~~~

Vermont QSO Party (All) ... QRP Category

Feb 5 - 0000z to Feb 6 - 2400z

Rules: <http://www.sk3bg.se/contest/vtqp.htm>

~~~~~

10-10 Int. Winter QSO Party (SSB - Ten Meters) ... QRP Category

Feb 5 - 0001z to Feb 6 - 2400z

Rules: <http://listserv.lehigh.edu/lists/tenten-1/rules.html>

~~~~~

FBYO Winter QRP Field Day (CW/SSB) ... QRP Contest!

Feb 5 - 1400z to Feb 6 - 0200z

Rules: <http://www.extremezone.com/~ki7mn/fybo2k.htm>

~~~~~

Minnesota QSO Party (All) ... QRP Category

Feb 5 - 1400z to 2400z

Rules: <http://www.rossiya.net/mnqsorules.htm>

~~~~~

AGCW Straight Key QSO Party (CW) ... QRP Category

Feb 5 - 1600z to 1900z

Rules: <http://www.sk3bg.se/contest/agcwskpw.htm>

~~~~~

Maine QSO Party (All) ... QRP Category

Feb 5 - 1300z to Feb 6 - 0700z

Rules: <http://home.sol.no/~janalme/rules/qsome.txt>  
(Note: Announcement uncertain. Please confirm if possible.)

~~~~~  
Adventure Radio Society - Spartan Sprint (CW) ... QRP Contest!

Feb 8 - 0200z to 0400z

Rules: [http://www.natworld.com/ars/pages/spartan\\_sprints/ss\\_rules.html](http://www.natworld.com/ars/pages/spartan_sprints/ss_rules.html)  
~~~~~

QRP ARCI Fireside Sprint (SSB) ...QRP Contest!

Feb 13 - 2000z to 2400z

Rules: <http://personal.palouse.net/rfoltz/arci/firesid.htm>  
~~~~~

ARRL International DX Contest (CW) ... QRP Category

Feb 19 - 0000z to Feb 20 - 2400z

Rules: <http://www.arrl.org/contests/announcements/intldx.html>  
~~~~~

CQ 160 Meter Contest (SSB) ... QRP Category

Feb 25 - 2200z to Feb 27 - 1600z

Rules: <http://www.cq-amateur-radio.com/160rules99.html>  
~~~~~

North Carolina QSO Party (CW/SSB) ... QRP Category

Feb 26 - 1200z to 2359z

Feb 27 - 1200z to 2359z

Rules: <http://www.netpath.net/~n4mio/qsoparty.htm>  
~~~~~

UBA DX Contest - Belgium (CW) ... QRP Category

Feb 26 - 1300z to Feb 27 - 1300z

Rules: <http://www.uba.be/Engels/framesgb.htm>



(Click on "Latest News" then "Contestrules UBA Contest")  
(Contest software available for download)

~~~~~  
High Speed CW Club Contest ... QRP Category

Feb 27 - 0900z to 1100z

Feb 27 - 1150z to 1700z

Rules: <http://www.sk3bg.se/contest/hsccl.htm>

~~~~~  
Colorado QRP Club Winter QSO Party (CW/SSB) ... QRP Contest!

Feb 27 - 2200z to Feb 28 - 0400z

Rules: <http://www.sk3bg.se/contest/coqrpwqp.htm>  
~~~~~

72 de

Ken Newman - N2CQ

Woodbury, NJ

N2CQ@ARRL.NET

~~~QRP Contest Calendar~~~

<http://www.njqrp.org/data/contesting.html>

~~~WQ2RP NJQRP Club Station~~~

-----  
Date: Thu, 3 Feb 2000 07:52:24 -0800 (PST)

From: Monte Stark <ku7y@dri.edu>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [62025] Re: Denoting fractional power with cw. Late Europoint of view.

Message-ID: <Pine.GS0.4.10.10002030741030.28063-100000@rotor.dri.edu>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

One quick observation.....

Using the "R" as a decimal in a number string has been around  
for quite awhile.

Like ANY abbreviation used in CW, it will never be "just the right one" for everyone.

Now that it's here and has very widespread usage, we all need to just learn it!

Many abbreviations must include the context of the whole sentence or they just don't make sense. Ditto with this one.

While we might see 1R5 listed in a parts list and connect it with a resistor, when we are chatting in CW with someone and they say that they are running 1R5 w I think we can also understand that!

But I'm not surprised that everyone doesn't like it....after all, there are a few people that don't think they should use the RST system the way it's published and others who give their own meaning to many Q signals! :-)

How is it the French put it.... Vivla Difference?

(Hey, I can't even spell in English, whataya expect?) :-)

OK, back in my hole....

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....  
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

-----  
Date: Thu, 03 Feb 2000 08:02:35 -0800  
From: Bill Jones <kd7s@psnw.com>  
To: ku7y@dri.edu  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [62026] Re: CCW and Dog days of yore. PSK-31  
Message-ID: <3899A69B.9451BAE1@psnw.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Ron,

Think "QSB". And if you haven't tried PSK-31, you're really missing out on a lot of good QRP fun.

> If you can't hear the other station, how do you find them?

--

-----  
Bill Jones - KD7S <><  
Sanger, California  
<http://www.psnw.com/~kd7s>  
-----

-----  
Date: Thu, 3 Feb 2000 16:08:00 -0000  
From: "Frank G3YCC" <[frank@g3ycc.karoo.co.uk](mailto:frank@g3ycc.karoo.co.uk)>  
To: "Low Power Amateur Radio Discussion" <[qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)>  
Subject: [62027] Re: FS  
Message-ID: <003b01bf6e60\$dad26300\$66a632d4@kar2722i>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="x-user-defined"  
Content-Transfer-Encoding: 7bit

The price is in UK POUNDS remember and plus postage one pound is equal to 1.6 USD. Things are much cheaper in USA!

Frank G3YCC GQRP 042  
QRP web pages: <http://www.g3ycc.karoo.net>  
----- Original Message -----  
From: Frank G3YCC <[frank@g3ycc.karoo.co.uk](mailto:frank@g3ycc.karoo.co.uk)>  
To: Low Power Amateur Radio Discussion <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Sent: Thursday, February 03, 2000 10:55 AM  
Subject: FS

> Need to clear out some gear so have my Index QRP Plus (mod to Mk 2). Great  
> rig esp for CW, have worked G to VK and VK to G on simple antennas! Need  
to  
> make room for other projects!  
> Price is 300.00 PLUS postage.  
>  
> Great for holidays (summer cometh...)  
>  
> Pic on my web site of course.  
>  
> Frank G3YCC GQRP 042  
> QRP web pages: <http://www.g3ycc.karoo.net>  
>

>

-----  
Date: Thu, 3 Feb 2000 10:08:32 -0600  
From: "Dan W. Dooley" <dandooley@pipeline.com>  
To: <ku7y@dri.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [62028] Re: CCW and Dog days of yore. PSK-31  
Message-ID: <00f501bf6e61\$10b5dba0\$05987b7b@CSS0048.bergenbrunswick.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I think what is meant here, and has been my experience with PSK31, is that during the course of a QSO, it's not uncommon for the signal to drop down into the noise, making it difficult to be heard by ear, yet the visible indicator of the signal is still present on the computer screen and the text is still coming across clearly.

It's generally assumed that you will have heard the signal at the start and thus tuned onto it to begin the QSO. It is however possible to "see" the signal and not really hear it, or hear it well. Tuning onto the signal is done visually rather than aurally. Yep, you can turn your receiver volume control all the way down and still work PSK31! Of course without hearing it, you might tune in on a steady carrier thinking it's PSK31. You'll know that very quickly though.

On the other side of the coin, phase distortion (polar distortion?), can make a strong and loud signal totally unreadable resulting in nothing but garbage characters on the screen.

Dan W. Dooley WB5TKA  
e-mail to: dandooley@pipeline.com  
May Goddes love blest ye alle

-----Original Message-----

From: Monte Stark <ku7y@dri.edu>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Thursday, February 03, 2000 9:32 AM  
Subject: Re: CCW and Dog days of yore. PSK-31

>On Thu, 3 Feb 2000, John R Kirby wrote:

>

>> You bet.

>> PSK31 is one super,

>> weak signal mode,  
>> unbelievable!  
>> You can work a station ( Europe-G3 / US-N3 > 5 W ) and  
>> never hear  
>> (from the speaker with your ear)  
>> his signal.  
>>  
>  
>Hi John,  
>  
>I'm including the list because I think others might also  
>be wondering the same thing.....  
>  
>If you can't hear the other station, how do you find them?  
>  
>Or is all this work done on schedules?  
>  
>I may give this a try later this year....  
>  
>Thanks,  
>  
>73, Ron  
>  
>.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
>....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE.....  
>.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....  
>

-----  
Date: Thu, 3 Feb 2000 11:14:31 -0500  
From: "Don Wilhelm" <w3fpr@arrl.net>  
To: <mpaley@wcnnet.org>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [62029] Re: low power psk31  
Message-ID: <005b01bf6e62\$22ea6420\$992d1004@dbw-11-main>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Mark,  
Digital modes are permitted within the confines of the regulations.  
If you feed a single tone audio signal into a SSB generator, you will be  
transmitting the same thing as a CW signal. Yes, digital modes alternate  
tones, but within a restricted bandwidth - so all is legal.  
One very important consideration - do NOT overdrive - that will cause that  
single audio tone to clip producing a square wave or similar complex

waveform which transmits as multiple frequencies - then it is really a wideband signal - not good on the CW/digital modes portion of the band - nor the phone portions either.

73,

Don Wilhelm -Chapel Hill, NC  
W3FPR QRP-L # 485 K2 SN 0020

-----Original Message-----

From: Mark Paley <mpaley@wcnet.org>

...> I have been following some of the thread

>on stand-alone PSK31 and am interested. When using PSK31 with computer and  
>soundcard on the more popular frequencies for PSK31 are we legal? That is,  
>frequencies as 21072, 14072, 7069, etc seem to active but isn't the use of  
>LSB for PSK31 technically operating out of band (or band plan)?

-----  
NetZero - Defenders of the Free World  
Get your FREE Internet Access and Email at  
<http://www.netzero.net/download/index.html>

-----  
Date: Thu, 3 Feb 2000 11:27:16 -0500  
From: "Eddie" <Eddie@nac.net>  
To: <qrp-L@Lehigh.Edu>  
Subject: [62030] PCB  
Message-ID: <001701bf6e63\$89b19ec0\$96757bd1@eddiepc>

can anyone direct me to a source or tell me how to convert a jpg schematic file in to a PCB board. I have a schematic of an amp and want to convert it to a solder masked PCB board.

Thanks  
73

-----  
Date: Thu, 3 Feb 2000 16:43:55 -0000  
From: "Frank G3YCC" <frank@g3ycc.karoo.co.uk>  
To: "GQRP-Club" <gqrp@onelist.com>, "QRP-L" <qrp-l@lehigh.edu>  
Subject: [62031] Hands Kits  
Message-ID: <009b01bf6e65\$e5432b80\$66a632d4@kar2722i>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="x-user-defined"

Content-Transfer-Encoding: 7bit

I mentioned the GQ Plus HF QRP (CW) only and have been asked what they are.  
Check out

<http://www.g3ycc.karoo.net/firms.htm> for info on G QRP Kits

<http://www.rf-kits.demon.co.uk/> details on the GQPlus

Frank G3YCC GQRP 042

QRP web pages: <http://www.g3ycc.karoo.net>

-----  
Date: Thu, 03 Feb 2000 08:54:01 PST  
From: "Brad Hernlem" <alihernlem@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [62032] Re: Free internet access problems  
Message-ID: <20000203165401.80124.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Below is a nice, informative site which compares and discusses some of the various options.

<http://nzlist.org/user/freeisp/index.htm>

Brad

-----  
Get Your Private, Free Email at <http://www.hotmail.com>

-----  
Date: Thu, 3 Feb 2000 08:56:29 -0800 (PST)  
From: Monte Stark <ku7y@dri.edu>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [62033] Unheard but seen PSK-31  
Message-ID: <Pine.GS0.4.10.10002030852430.28063-1000000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

I have received many replys explaining how this works.  
But I haven't seen them posted to the list so I'm including  
some of one. It explains how this happens!

\*\*\*\*\*

It uses a computer screen to display a panadapter style spectrum display, which shows signals as vertical lines. I've seen signals on the screen, from sataions which Ben was able to contact with a few watts, and were not audible via headphones or speaker, so I know it works well. If you do hear a signal , it is usually a slightly warbling 1KHz tone.

\*\*\*\*\*

Ah, now I "see"..... :-)

Many thanks to all!

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....  
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

-----

Date: Thu, 3 Feb 2000 12:11:33 EST  
From: Wb8siw@aol.com  
To: mpaley@wcnet.org, qrp-1@lehigh.edu  
Subject: [62034] Re: low power psk31  
Message-ID: <c8.d7f18a.25cb10c5@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi Mark....well, the best way I can come up to answer your question is through the following example:

You may recall that FSK (as used in Teletype) may be generated by injecting the mark and space audio tones (AFSK) into the audio input of a SSB exciter. Because SSB suppresses the carrier and one sideband, the output that remains is essentially "pure" FSK. Despite the use of a SSB exciter, the output is not SSB! I know it sounds somewhat paradoxical.

Along the same lines, injecting the PSK-31 audio into the SSB exciter audio stage results in a narrow bandwidth emission quite unrelated to "conventional" SSB. What is missing is a the complex "audio" wave form.

One can generate CW in much the same fashion...with a single audio tone.

73, Jim WB8SIW



-----  
Date: Thu, 03 Feb 2000 09:21:00 -0800  
From: Casey Ray <clray@usc.edu>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [62035] 13 WPM Code Tapes (Free) well almost.  
Message-ID: <3899B8FC.AAAC2BFE@usc.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I have two cassette tapes distributed by The W5YI Group, Inc. that will help increase speed from 5 wpm to 14 wpm, complete with sample 13 wpm tests. Anybody need these, for free? You pay shipping from L.A., Calif.

Email me at clray@usc.edu if interested.

73 de Casey  
AD6DI

-----  
Date: Thu, 03 Feb 2000 12:30:12 -0500  
From: "Paul Helbert, Wv3j" <phelbert@rica.net>  
To: Low Power Discussion Group <qrp-l@Lehigh.EDU>  
Cc: "Paul R. Valko" <prvalko@oakland.edu>, Bruce Rattray <rattray@gpfn.sk.ca>  
Subject: [62036] Fox: Log 02-02-00  
Message-ID: <3899BB24.E946C478@rica.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gangue,

I finally dumbled upon how to get the log into e-mail, so here 'tis.

Wv3j Foxlog for 0100 until 0300 UTC 02-02-00 (Groundhog's Day):

|             |     |     |    |       |      |
|-------------|-----|-----|----|-------|------|
| Z103 K1QM   | 589 | 599 | MA | JOEL  | 337  |
| Z105 KB9BVN | 599 | 599 | IN | BRIAN | 1540 |
| Z107 N4ROA  | 559 | 559 | VA | DAN   | 970  |
| Z108 W0CH   | 559 | 599 | MO | DAVE  | 618  |
| Z110 N1TP   | 599 | 599 | FL | TOM   | 1317 |
| Z012 AE2T   | 579 | 559 | NY | AL    | 1664 |
| Z114 K1VP   | 559 | 559 | NH | ED    | 1960 |

|       |        |     |     |     |        |      |    |
|-------|--------|-----|-----|-----|--------|------|----|
| Z115  | K0EVZ  | 579 | 559 | ND  | DOC    | 861  |    |
| Z117  | WS4S   | 589 | 599 | TN  | CONRAD | 993  |    |
| Z119  | N0SS   | 579 | 599 | MO  | TOM    | 5W   |    |
| Z120  | KC1FB  | 599 | 599 | CT  | JIM    | 29   |    |
| Z122  | WD8KQY | 599 | 599 | OH  | GARY   | 446  |    |
| Z125  | VE1MT  | 569 | 599 | NS  | LAYTON | 1448 |    |
| Z128  | KK5LD  | 559 | 339 | TX  | DAN    | 2052 |    |
| Z131  | KI0II  | 549 | 559 | CO  | RON    | 928  |    |
| Z133  | N0EA   | 559 | 599 | MO  | WAYNE  | 1058 |    |
| Z136  | N1LN   | 559 | 559 | TX  | BRUCE  | 2049 |    |
| Z137  | K1CL   | 599 | 599 | MA  | CHUCK  | 217  |    |
| Z138  | AF5Z   | 579 | 599 | TX  | BOB    | 984  |    |
| Z142  | K5NZ   | 599 | 559 | TX  | MIKE   | 2018 |    |
| Z143  | N0DT   | 559 | 559 | MO  | DAN    | 1004 |    |
| Z144  | KC8KFI | 579 | 559 | OH  | ANDY   | 1813 |    |
| Z146  | W5YR   | 559 | 339 | TX  | GEORGE | 1373 |    |
| Z150  | K5ZTY  | 559 | 559 | TX  | BILL   | 473  |    |
| Z0153 | KU4QO  |     | 559 | 559 | FL     | MIKE | 1W |
| Z155  | N0UR   | 579 | 559 | MN  | JIM    | 799  |    |
| Z157  | K1JD   | 579 | 599 | RI  | JOHN   | 1945 |    |
| Z159  | AF4PP  | 599 | 599 | GA  | CHUCK  | 1785 |    |
| Z201  | AF4PS  | 569 | 559 | FL  | MAC    | 704  |    |
| Z202  | W0RSP  | 559 | 559 | SD  | ADE    | 661  |    |
| Z205  | WZ2T   | 599 | 559 | NY  | RICK   | 122  |    |
| Z207  | AB5UA  | 559 | 559 | OK  | CLIF   | 478  |    |
| Z209  | W2XN   | 559 | 559 | FL  | FRED   | 1728 |    |
| Z211  | AJ4Y   | 589 | 599 | FL  | PAUL   | 1795 |    |
| Z215  | NT1R   | 559 | 559 | ME  | BILL   | 912  |    |
| Z216  | W5YA   | 579 | 559 | NM  | FRED   | 5W   |    |
| Z218  | W0JOE  | 559 | 559 | MO  | JOE    | 1901 |    |
| Z221  | N0EHW  | 559 | 599 | MO  | TIM    | 2047 |    |
| Z223  | N5TW   | 599 | 559 | TX  | TOM    | 1474 |    |
| Z226  | KB9IUA | 559 | 559 | IL  | KEVIN  | 384  |    |
| Z228  | K4LL   | 569 | 559 | GA  | TOD    | 4W   |    |
| Z229  | K5AAR  | 559 | 339 | OK  | DON    | 1512 |    |
| Z232  | KU7Y   | 559 | 339 | NV  | RON    | 17   |    |
| Z237  | W5TB   | 559 | 339 | TX  | DOC    | 673  |    |
| Z238  | K7RE   | 559 | 339 | AZ  | BRIAN  | 404  |    |
| Z240  | K5OI   | 559 | 339 | NM  | TIM    | 73   |    |
| Z242  | N0AR   | 559 | 559 | MN  | SCOTT  | 1455 |    |
| Z244  | K5JHP  | 339 | 599 | TX  | BILL   | 825  |    |
| Z247  | N5JI   | 559 | 559 | TX  | RICH   | 1054 |    |
| Z249  | KI8AF  | 599 | 339 | MI  | GREG   | 4322 |    |
| Z251  | W5SB   | 559 | 559 | TX  | BILL   | 1279 |    |
| Z253  | K5UP   | 559 | 599 | OK  | GLEN   | 21   |    |
| Z259  | KQ5U   | 449 | 559 | TX  | TERRY  | 1603 |    |

Fifty three QSO's.

Here is the same log with the guys without QRP-L numbers deleted:

|      |        |     |     |    |        |      |  |
|------|--------|-----|-----|----|--------|------|--|
| Z103 | K1QM   | 589 | 599 | MA | JOEL   | 337  |  |
| Z105 | KB9BVN | 599 | 599 | IN | BRIAN  | 1540 |  |
| Z107 | N4ROA  | 559 | 559 | VA | DAN    | 970  |  |
| Z108 | W0CH   | 559 | 599 | MO | DAVE   | 618  |  |
| Z110 | N1TP   | 599 | 599 | FL | TOM    | 1317 |  |
| Z012 | AE2T   | 579 | 559 | NY | AL     | 1664 |  |
| Z114 | K1VP   | 559 | 559 | NH | ED     | 1960 |  |
| Z115 | K0EVZ  | 579 | 559 | ND | DOC    | 861  |  |
| Z117 | WS4S   | 589 | 599 | TN | CONRAD | 993  |  |
| Z120 | KC1FB  | 599 | 599 | CT | JIM    | 29   |  |
| Z122 | WD8KQY | 599 | 599 | OH | GARY   | 446  |  |
| Z125 | VE1MT  | 569 | 599 | NS | LAYTON | 1448 |  |
| Z128 | KK5LD  | 559 | 339 | TX | DAN    | 2052 |  |
| Z131 | KI0II  | 549 | 559 | CO | RON    | 928  |  |
| Z133 | N0EA   | 559 | 599 | MO | WAYNE  | 1058 |  |
| Z136 | N1LN   | 559 | 559 | TX | BRUCE  | 2049 |  |
| Z137 | K1CL   | 599 | 599 | MA | CHUCK  | 217  |  |
| Z138 | AF5Z   | 579 | 599 | TX | BOB    | 984  |  |
| Z142 | K5NZ   | 599 | 559 | TX | MIKE   | 2018 |  |
| Z143 | N0DT   | 559 | 599 | MO | DAN    | 1004 |  |
| Z144 | KC8KFI | 579 | 559 | OH | ANDY   | 1813 |  |
| Z146 | W5YR   | 559 | 339 | TX | GEORGE | 1373 |  |
| Z150 | K5ZTY  | 559 | 559 | TX | BILL   | 473  |  |
| Z155 | N0UR   | 579 | 559 | MN | JIM    | 799  |  |
| Z157 | K1JD   | 579 | 599 | RI | JOHN   | 1945 |  |
| Z159 | AF4PP  | 599 | 599 | GA | CHUCK  | 1785 |  |
| Z201 | AF4PS  | 569 | 559 | FL | MAC    | 704  |  |
| Z202 | W0RSP  | 559 | 559 | SD | ADE    | 661  |  |
| Z205 | WZ2T   | 599 | 559 | NY | RICK   | 122  |  |
| Z207 | AB5UA  | 559 | 559 | OK | CLIF   | 478  |  |
| Z209 | W2XN   | 559 | 559 | FL | FRED   | 1728 |  |
| Z211 | AJ4Y   | 589 | 599 | FL | PAUL   | 1795 |  |
| Z215 | NT1R   | 559 | 559 | ME | BILL   | 912  |  |
| Z218 | W0JOE  | 559 | 559 | MO | JOE    | 1901 |  |
| Z221 | N0EHW  | 559 | 599 | MO | TIM    | 2047 |  |
| Z223 | N5TW   | 599 | 559 | TX | TOM    | 1474 |  |
| Z226 | KB9IUA | 559 | 559 | IL | KEVIN  | 384  |  |
| Z229 | K5AAR  | 559 | 339 | OK | DON    | 1512 |  |
| Z232 | KU7Y   | 559 | 339 | NV | RON    | 17   |  |
| Z237 | W5TB   | 559 | 339 | TX | DOC    | 673  |  |
| Z238 | K7RE   | 559 | 339 | AZ | BRIAN  | 404  |  |
| Z240 | K5OI   | 559 | 339 | NM | TIM    | 73   |  |
| Z242 | N0AR   | 559 | 559 | MN | SCOTT  | 1455 |  |
| Z244 | K5JHP  | 339 | 599 | TX | BILL   | 825  |  |
| Z247 | N5JI   | 559 | 559 | TX | RICH   | 1054 |  |

Z251 W5SB 559 559 TX BILL 1279  
Z253 K5UP 559 599 OK GLEN 21  
Z259 KQ5U 449 559 TX TERRY 1603

Forty-eight of 'em.

Now, would anybody like to have it with all the Texans deleted? :>)

Love,

Paul

-----  
Date: Thu, 03 Feb 2000 10:37:13 -0700  
From: Larry East <wlhue@amsat.org>  
To: qrp-1@lehigh.edu  
Subject: [62037] CW, bugs, and bad fists...  
Message-ID: <3.0.5.32.20000203103713.00916d60@mail.ida.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Well, it has certainly taken longer than usual for that old horse to be beaten to death! (He must have 100's of lives...) What say we beat on a new one for awhile?

72, from 'ol grumpy...

(send all replies to bogus@nul.dev)

-----  
Date: Thu, 3 Feb 2000 10:34:53 -0700  
From: jaywa5whn@juno.com  
To: qrp-1@lehigh.edu  
Subject: [62038] Re: FYBO 2k  
Message-ID: <20000203.103513.-945869.5.jaywa5whn@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

WOW! Supercharged dilithium xtals on line, DSP working, KK6MC, WB5QYT & AA5B to the north, NA5N & Crew to the NW, N7KT & NK7M/KI7MN to the west. At least we will make a few 40 meters cw contacts. This is an event where you wish you had an old tube type HF xcvr cranked down to 5 watts with a generator. The noise will keep the big cats away & the glow in the dark

tubes would generate enough heat to keep your hands warm. :-)

Enough people had asked, we had borrowed 2 url's from the NMSU {Las Cruces, NM} W5GreenBananas ARC. Where Tim {K5OI} resides. Tim, we can test your K2 for you in the snow. ;-)

<http://web.nmsu.edu/~kleitch/fd1997.htm>

[http://w5gb.nmsu.edu/fd99/field\\_day\\_1999.htm](http://w5gb.nmsu.edu/fd99/field_day_1999.htm)

We will be really close to this site. Imagine over a foot of snow on the ground & snow drifts over 12 feet high. Almost enough to build an igloo. I can hear AL7FS chuckling & VE5RC thinks we are nuts, but in NM we don't really have a winter, except for maybe a day or 2. Whereas you people up north have 11 months of winter & 1 month of bad sledding. ;-)

We are really looking forward to the early Sat. morning temperature multiplier & catching the frozen crews {N9Q9RP, AA1MY, MN & points north} on the air. FYI, you home stations, if you should hear CAT CAT on cw, we will be unavailable to make the exchange.

=8-0

I wonder how many people will have KI7MN in their logs with both callsigns :-) Does this count as 2 separate contacts? ;-)

<http://www.extremezone.com/~ki7mn/>

Yes, there is a walking tour {winter & summer} @ the Sunspot Solar Observatory, just like the one at the VLA on the Plains of St. Augustin ~ 160 miles NW of us.

<http://www.sunspot.noao.edu/index.html>

Por favor, spread out on 20 cw.

Please, I don't want to read about any Darwin Award Nominees from this list.

72 ...Jay WA5WHN multi-op FYBO 2k as W5BI from DM72cs

-----  
YOU'RE PAYING TOO MUCH FOR THE INTERNET!

Juno now offers FREE Internet Access!

Try it today - there's no risk! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

-----  
Date: Thu, 03 Feb 2000 09:44:13 -0800

From: Casey Ray <clray@usc.edu>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [62039] RE: 13 WPM Code Tapes (Free) well almost.

Message-ID: <3899BE6D.1A50E28@usc.edu>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

The tapes are spoken for.

73 de Casey

AD6DI

-----  
Date: Thu, 03 Feb 2000 10:49:41 -0700

From: Larry East <wlhue@amsat.org>

To: qrp-1@lehigh.edu

Subject: [62040] RE: "Free" Internet access

Message-ID: <3.0.5.32.20000203104941.0092aea0@mail.ida.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Such freebees are only available to those living in relatively large metropolitan areas -- the rest of us must make toll calls to their access numbers. Free indeed...

For example, the only "bluelight.com" access numbers for the 208 area code are in Boise ... 250 miles from my QTH in Idaho. For New Mexico, the only access numbers are in Albuquerque -- about 200 miles from my "winter QTH" in Las Cruces.

OHhhh well...

Date: Thu, 03 Feb 2000 12:57:05 -0500  
From: "Caitlyn M. Martin" <caitlyn@netferrets.net>  
To: qrp-1@lehigh.edu  
Subject: [62041] Re: "Free" Internet access  
Message-ID: <3899C171.31C547DC@netferrets.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Larry East wrote:

> Such freebees are only available to those living in relatively large  
> metropolitan areas -- the rest of us must make toll calls to their access  
> numbers. Free indeed...

They also force you to run a Microsoft operating system, which some of us  
prefer not to do, and look at lots of ads and commercials, which I'd rather  
pay *\*not\** to see.

72/73,  
Caity  
KU4QD

-----  
Date: Thu, 3 Feb 2000 10:11:51 -0800  
From: "Bob Tellefsen" <n6wg@earthlink.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [62042] Re: 24FT EXTENSION POLES  
Message-ID: <01bf6e72\$2518e9a0\$e5d8fc9e@ham.earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Alan

I recently used two telescoping 15 ft pool cleaner handles, stacked, for a  
28 ft mast during the 160m contest. Worked fine, for a cost of \$40, \$20  
each. Sometimes they go on sale, too. If I see another one, I'm going to  
buy some more.

73, Bob N6WG

-----

Date: Thu, 3 Feb 2000 10:17:35 -0800  
From: "Bob Tellefsen" <n6wg@earthlink.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [62043] Re: Denoting fractional power with cw. Late Europoint of view.  
Message-ID: <01bf6e72\$f1ccc840\$e5d8fc9e@ham.earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Juanjo

Thanks for your post about using different letters in place of a decimal point.

I'm reasonably sure that many US hams are not aware of the practice you described, other than the occasional 2K7 note we might see for a resistor, probably in SPRAT.

Whether we agree to use it or not, it is very worthwhile just becoming aware of practices in other parts of the world. That's one of the great values of a reflector like QRP-L.

Thanks again and 73,

Bob N6WG

Newark, CA on SF Bay

-----  
Date: Thu, 3 Feb 2000 12:31:39 -0600  
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Subject: [62044] Decimal Point = R  
Message-ID: <0974781F4FC8D211A24600902727E806011B1E07@saturn.rose.cc.ok.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"

All,

I have noticed that there seems to be alot of hams that haven't heard of using the letter "R" in place of a decimal point. I believe this practice has been around for many, many years in the electronics industry. During my 20 years of employment with AT&T we used it in the engineering department. (Haven't worked for them for ten years, so that was at least 30 years ago and I'm sure they were doing it long before I came along.

As pointed out, the letter "K" and the letter "M" are used in denoting fractional resistor values in the kilohm and megohm range. I know I have seen the letter "R" used for fractional resistor values on precision



resistors, such as 30R75 for 30.75 ohms.

Hal - WB9VMY

-----  
Date: Thu, 3 Feb 2000 12:53:53 -0600  
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Subject: [62045] "R" = Decimal  
Message-ID: <0974781F4FC8D211A24600902727E806011B1E0A@saturn.rose.cc.ok.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

All,

Maybe we should use the letter "W" to denote fractional watts. Like 2W5 for two and one half watts. That would really confuse people for awhile until they became used ot it. Just a thought.

Hal

-----  
Date: Thu, 3 Feb 2000 13:58:04 -0500  
From: "Diz - WB8QYY" <wb8qyy@one.net>  
To: <hdeitz@ms.rose.cc.ok.us>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [62046] Re: Decimal Point = R  
Message-ID: <000e01bf6e78\$94ff8d90\$0102050a@4002>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

gotta speak up - gotta speak up :-)

R=resistor as in 2R7 is 2.7 ohms  
F=fahrad as in 4F7 big cap :-)  
L=Henries as in 2L2 also big coil  
W=Watts as in 1W5

I can't get much radiation from my antenna with a 1.5 ohm resistor

love this hobby :-)

Seems to me, whe should be using a "D" for decimal point

73 - Dieter (DIZ) Gentzow - WB8QYY "oo's"  
Loveland, Ohio - near Cincinnati; 39.218N - 84.305W  
FPqrp#-1 DL-QRP-AG#1454 QRP-L#1998 10-X#9389 CATT#26 K2#493  
<http://w3.one.net/~gentzow/wb8qyy.htm>

----- Original Message -----

From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Thursday, February 03, 2000 1:33 PM  
Subject: Decimal Point = R

> All,  
>  
> I have noticed that there seems to be alot of hams that haven't heard of  
> using the letter "R" in place of a decimal point. I believe this practice  
> has been around for many, many years in the electronics industry. During  
my  
> 20 years of employment with AT&T we used it in the engineering department.  
> (Haven't worked for them for ten years, so that was at least 30 years ago  
> and I'm sure they were doing it long before I came along.  
>  
> As pointed out, the letter "K" and the letter "M" are used in denoting  
> fractional resistor values in the kilohm and megohm range. I know I have  
> seen the letter "R" used for fractional resistor values on precision  
> resistors, such as 30R75 for 30.75 ohms.  
>  
> Hal - WB9VMY  
>

-----  
Date: Thu, 03 Feb 2000 14:11:15 -0500  
From: Laura Halliday <va3ldh@sympatico.ca>  
To: qrp-l@lehigh.edu  
Subject: [62047] Re: low power psk31  
Message-ID: <3899D2D3.DC0CE338@sympatico.ca>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The noise that comes out of a PSK31 transmitter is a double sideband suppressed carrier signal - good old DSB. You can see this in the spectrum display in the PSK31 programs, where you see two the two sidebands. Or do the math. Or read G3PLX's writeup. Or any decent text on communications, looking for "BPSK" in the index.

When you use an SSB transmitter to generate PSK31 all you're doing is shifting the frequency spectrum of the signal. Which is all SSB transmitters actually do: they take a one-sided audio spectrum and move it somewhere else. DSB transmitters move a 2-sided spectrum.

You could generate PSK31 by feeding raised cosine pulses to a DSB transmitter. I've never heard of anybody doing this, though it would be a natural for a simple implementation like a microcontroller-based beacon.

--

Laura Halliday VA3LDH      "Laisse le vent tout emporter..."  
Grid: FN03gs                      - Foly/Viennet

-----

Date: Thu, 03 Feb 2000 13:25:56 -0600  
From: Richard Matthews <prm@hiwaay.net>  
To: qrp-1@lehigh.edu  
Subject: [62048] Re: Decimal Point = R  
Message-ID: <3.0.1.32.20000203132556.00be7100@hiwaay.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

"R" or "W"?

When I am at my computer I type 2.5 watts and use the period key to make the decimal point. When I write it in long hand I put a dot and I don't think "that dot is a decimal and not a period". Why can't we just use didahdidahdidah to put that little dot in a number like 2.5 watt? That was a period I just typed on my keyboard because my keyboard has no decimal key. Now some may say that dot down by the numeric keyboard is a decimal so here it is (.) . . . . . I can't tell the difference, can you?

Some will say, "the other op will think it the end of the sentence", so let's check that out

"I am running 2.5 watts." I sent a period (didahdidahdidah) between the 2 and the 5. Now looking at that written down how would you read it?

Another way we could do it is say, "I'm running 5/2 watts " which in my ciphering book equals 2.5 watts. Or to be fancy we could say, "I'm running 25 ten thousandths of a kilowatt" or " 2500mw".

73 de WA4NWW just having fun using QRP no matter how you send its power

-----  
Date: Thu, 03 Feb 2000 14:32:03 -0500  
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>  
To: qrp-1@lehigh.edu  
Cc: n1fb@arrl.org, w1rfi@arrl.org  
Subject: [62049] Tuna Tin 2 QSLs  
Message-ID: <3899D7B3.13C@arrl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello, fellow QRPers,

Well, with a bit of shame that it took so long, I am pleased to announce that all of the various QSLs and certifi-cats for the Tuna Tin 2 operations that I have been involved with are now done, addressed, stamped and in this evening's mail. This includes the W1RFI, W1RFI/6, W1RFI/7, W1RFI/0, W1AW Black Cat/Zombie and W1AW/7. My sincere apologies to all who have waited patiently; I have been swamped and just had to make some time. My thanks also to N1FB, who stayed up late last night helping me address the envelopes.

I have to add that QRPers are the greatest bunch. Although I had an inquiry or two, they were all very polite and the rest of you just waited patiently. I guess that is part of what draws me to QRP; the people in it are just the very best in the world.

Now, I have a few more expeditions and operating events planned. I will bring the original TT2 with me to my trip in two weeks to Orlando. I will arrive on Feb 10 and will depart on Feb 13. I will be busy most of the day with the Convention, but will try to get on evenings as W1RFI/4, to give some of the SE folks a shot at a QSO with the original Tuna Tin 2.

I am also working on another event that will probably be scheduled the weekend of Feb 26-27, starting Saturday evening and continuing on through the weekend. It will not be just a TT2 special event, although the TT2 will be involved, but it will be done QRP at the 5 W level to make things a bit easier to copy. Look for this one on 40, 30, 20 and 15 M. Now, I won't tell you what call I am going to use, but you will know it when you hear it! :-)

73,  
Ed Hare, W1RFI

-----

Date: Thu, 3 Feb 2000 13:41:14 -0600  
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>  
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Subject: [62050] QRP in Hawii  
Message-ID: <0974781F4FC8D211A24600902727E806011B1E0F@saturn.rose.cc.ok.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Tell them to send the tickets and hotel reservation to my Callbook address.  
The boss says I can go.

Hal - WB9VMY

-----  
Date: Thu, 3 Feb 2000 13:47:12 -0600  
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>  
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Subject: [62051] QRP in a briefcase  
Message-ID: <0974781F4FC8D211A24600902727E806011B1E10@saturn.rose.cc.ok.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Richard,

Collins did that along time ago. I still have the case for my KWM2. Well,  
brief cases were bigger back then.

Hal

-----  
Date: Thu, 03 Feb 2000 13:33:54 -0600  
From: Richard Matthews <prm@hiwaay.net>  
To: va3ldh@sympatico.ca, qrp-l@lehigh.edu  
Subject: [62052] Re: low power psk31  
Message-ID: <3.0.1.32.20000203133354.009d0dc0@hiwaay.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Could you not use PSK31 software to send it by any modulated mode? AM  
phone? VHF FM? All the computer cares about is audio input right?

Just playing around with digipan, I can send PSK31 output audio from my

computer into a recorder and then take the recording and feed back into my computer and it doesn't miss a letter. No magic there.

I realize that sideband is probably the best mode but is PSK31 transmissions legal on AM phone and FM?

73 de WA4NWW, Richard PSK31 novice

02:11 PM 2/3/00 -0500, you wrote:  
>The noise that comes out of a PSK31 transmitter is a double  
>sideband suppressed carrier signal - good old DSB.  
>  
>When you use an SSB transmitter to generate PSK31 all you're  
>doing is shifting the frequency spectrum of the signal.  
>  
>You could generate PSK31 by feeding raised cosine pulses to  
>a DSB transmitter. I've never heard of anybody doing this,  
>though it would be a natural for a simple implementation like  
>a microcontroller-based beacon.  
>--  
>Laura Halliday VA3LDH "

-----  
Date: Thu, 3 Feb 2000 14:45:42 -0500  
From: hamjoel@juno.com  
To: qrp-l@lehigh.edu  
Subject: [62053] Des-a-mill point  
Message-ID: <20000203.144657.-302447.0.hamjoel@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Hi y'all

I be confused. how can sumthin so simple get so complicated.... one could send ... one point five ohms or whatever.... or one could send 1.5 ohm using the period or decimal point cw id...

what's with all the r's and w's and does this come before that hummmm buggs (not to get on the bugg topic :-) ARRL and I'm sure a mucho bunch of other folk have these things in a manual somewhere...

Get a book or three... on the topic or topics u want to learn about and read... Amateur Radio , Morse Code has a history, an established way of doing things... hams are not at the disadvantage of having to make up 10zillion ways to send something. There is an established, way of doing things in cw, voice, whatever mode... study the mode u want to use and

follow established procedure... without order.... structure... learning to do things the way of the "establishment" rather than doing our own thing... and establishing a "standard" way to do new things... Amateur tradition is lost... and a new... design ur own methods of communication is born... and we kneaux what that sounds like...

It is the same discussion over and over.... we need to conform to amateur tradition... amateur traditon is not going to conform to us... so let's read about amateur tradition and put it into practice... u'll be a better qrp op for doing so...

Joel KE1LA

In Maine

-----  
YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
Juno now offers FREE Internet Access!  
Try it today - there's no risk! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.

-----  
Date: Thu, 3 Feb 2000 14:57:24 -0500  
From: Sam Billingsley <SBillingsley@usaninc.com>  
To: "Qrpl\_Submit (E-mail)" <qrp-1@Lehigh.EDU>  
Subject: [62054] Where to get a Spec sheet and order form for W6MMA SLV?  
Message-ID: <66FCE0D1DF76D311913800805F6D0FA3631158@MAILSERVER1>  
MIME-Version: 1.0  
Content-Type: text/plain

Can someone send me a URL that points to the info on the SLV and how to get one?

Sam Billingsley AE4GX Atlanta, GA  
personal web page at <http://ae4gx.home.mindspring.com/>  
North Georgia QRP Club web page at <http://www.qsl.net/nogaqrp/>

-----  
Date: Thu, 03 Feb 2000 14:56:54 -0500  
From: Kenneth Hoglund <hoglund@wfu.edu>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [62055] N7KSB Transmitter  
Message-ID: <3899DD86.49170FBC@wfu.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

First, thanks to all on this list for contributions, humor, and solid information. I've been learning much just listening in.

Now my question: I'm beginning to assemble a N7KSB transmitter for 10m; anyone with experiences to share, mods to recommend, pitfalls to avoid?

Ken Hoglund  
KG4FGC

-----  
Date: Thu, 3 Feb 2000 13:56:32 -0600  
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>  
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Subject: [62056] Low Power PSK31  
Message-ID: <0974781F4FC8D211A24600902727E806011B1E11@saturn.rose.cc.ok.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Richard,

It is a bandwidth thing. You can use any lower bandwidth modulation where higher bandwidth is allowed. CW is allowed anywhere. PSK31 has a smaller bandwidth than AM or FM so you can use it anywhere AM or FM is allowed.

However, gentlemen's agreements usually keep digital modes below the voice bands except on VHF and above where there is plenty of room. I remember when there used to be RTTY repeaters on VHF.

Hal

-----  
Date: Thu, 03 Feb 2000 13:50:43 -0600  
From: Richard Matthews <prm@hiwaay.net>  
To: qrp-l@lehigh.edu  
Subject: [62057] Re: low power psk31  
Message-ID: <3.0.1.32.20000203135043.00bdf910@hiwaay.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I'm wondering how many QRP PSK31 ops are using digipan? Is there better software? Also is anyone using one of the cheap Radioshack SSBs 10m XCVR with PSK31?



If you have digipan and haven't tried it, I have, feed a music audio source into RCV . . . . yep it prints out gibberish but makes an impressive graphical display of all the audio frequencies.

I've just came up with an idea to sell to teenagers with the loud car music amp systems. We will market a simple computer running digipan so they can hook up their megawatt amps and an input mike and communicate car to car using PSK31 . . . . imagine the noise :-).

73 de WA4NWW Richard if anyone markets this, I want royalties

-----  
Date: Thu, 03 Feb 2000 13:57:44 -0600  
From: "J. W. (Dub) Thornton" <dub@oklahoma.net>  
To: qrp-l@lehigh.edu  
Subject: [62058] RE: "Free" Internet access  
Message-ID: <4.2.0.58.20000203135353.00bd9410@mail.oklahoma.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

>  
>  
>For example, the only "bluelight.com" access numbers for the 208 area code  
>are in Boise ... 250 miles from my QTH in Idaho. For New Mexico, the only  
>access numbers are in Albuquerque -- about 200 miles from my "winter QTH"  
>in Las Cruces.

An interesting sidenote to the "freebies". Bluelight lists 5 or 6 access numbers in Okla City. All are identical to access numbers for NetZero. One Freebie leasing service from another??? "72"

-  
J. W. (Dub) Thornton WA5YFY  
Minco, OK.

-----  
Date: Thu, 3 Feb 2000 15:03:42 -0500  
From: Sam Billingsley <SBillingsley@usaninc.com>  
To: "Qrpl\_Submit (E-mail)" <qrp-l@Lehigh.EDU>, "klqrp\_submit (E-mail)" <klqrp@waterw.com>  
Cc: "\_AAAA\_NOGA\_onlist (E-mail)" <nogaqrp@qth.net>  
Subject: [62059] North Georgia QRP Club to Meet Saturday, Feb 5, 2000 in Metro Atlanta, GA  
Message-ID: <66FCE0D1DF76D311913800805F6D0FA3631178@MAILSERVER1>  
MIME-Version: 1.0

Content-Type: text/plain

Next Meeting! Well, so far not a single report of Y2K problems with the NOGAnaut!

Join us to swap Y2K stories, show and tell, updates on the new club call, NQ4RP, the NoGaPiG and other projects, at the next meeting at the radioshack.com store on Buford Hwy on Saturday, February 5, 2000, at 11AM.

Until then, check out the meeting report and photos from the December, 1999 meeting at our NOGA web page and see lots more stuff.

North Georgia QRP Club web page at <http://www.qsl.net/nogaqrp/>

Sam Billingsley AE4GX Atlanta, GA  
personal web page at <http://ae4gx.home.mindspring.com/>

-----  
Date: Thu, 03 Feb 2000 20:01:58 +0000  
From: "Mel Evans, Registered Arachne User" <mel@euramcom.freemove.co.uk>  
To: "Caitlyn M. Martin" <caitlyn@netferrets.net>  
Cc: qrp-1@lehigh.edu  
Subject: [62060] Re: "Free" Internet access  
Message-ID: <E12GSTD-00075s-00.2000-02-03-20-03-15@mail1.svr.pol.co.uk>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

On Thu, 03 Feb 2000 12:57:05 -0500, Caitlyn M. Martin wrote:

> Larry East wrote:

>> Such freebees are only available to those living in relatively large  
>> metropolitan areas -- the rest of us must make toll calls to their access  
>> numbers. Free indeed...

> They also force you to run a Microsoft operating system, which some of us  
> prefer not to do, and look at lots of ads and commercials, which I'd rather  
> pay \*not\* to see.

> 72/73,

> Caity  
> KU4QD

Hi Caity,

Provided you have the phone number for the ISP, and the primary and secondary DNS numbers, you can configure ARACHNE to work with most, if not all ISP's.

The DNS numbers are the four group numbers as example:

194.152.63.45

You can get these DNS numbers from the ISP's Tech support guys, but they will ask you why you need them. Tell them you are running in DOS. They will give the DNS numbers and tell you they don't offer Tech support to DOS computers.

And yes , Arachne runs in DOS so you need to set it up yourself, there's about 15 minutes work to do this, and an international support forum on

[arachne@arachne.cz](mailto:arachne@arachne.cz)

but it does have APM's (read plug-ins) that can be set to disable ads and the likes.

Download at <http://home.arachne.cz> [NO www needed]

Regards

Mel

Visit Mel's EURAMCOM pages for US/Euro Equivalent Parts  
Resistors, Capacitors, Tubes, Color Codes, Wiring and more!

<http://www.euramcom.freeseerve.co.uk>

\*NEW! add your own homepage link INSTANTLY to the EurAmCom Pages\*

e-mail to: [gm6jag@arrl.net](mailto:gm6jag@arrl.net)  
or: [mel@euramcom.freeseerve.co.uk](mailto:mel@euramcom.freeseerve.co.uk)

72 & 73 de Mel  
GM6JAG  
Edinburgh Scotland UK  
Home of the last HW9

Arachne, the Internet Suite and "QRP" Browser for DOS, supports tables, graphics, animations, forms, HTML 4.0 Transitional Pages and more!

<http://www.arachne4dos.freeseerve.co.uk>

-----  
Date: Thu, 03 Feb 2000 15:09:11 -0500  
From: "Paul Helbert, Wv3j" <phelbert@rica.net>  
To: Low Power Discussion Group <qrp-l@Lehigh.EDU>  
Cc: "Paul R. Valko" <prvalko@oakland.edu>, Bruce Rattray <rattray@gpfn.sk.ca>  
Subject: [62061] Fox; Correction to log  
Message-ID: <3899E067.2D7FA33D@rica.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gangue,

Mike is a QRP-L member and should be added back to the final log with addition of his number pursuant to the following note:

> Subject:  
>           Re: Fox: Log 02-02-00  
>       Date:  
>           Thu, 03 Feb 2000 13:09:47 -0500  
>       From:  
>           Mike Maiorana <mikemo@attglobal.net>  
>       To:  
>           phelbert@rica.net  
> References:  
>       1  
>  
>  
>  
>  
> Paul,  
> My number is 1244. I never remember it so I send my power. I thought  
> that was the "rule"? Anyway, if you want to add it to your log, feel  
> free. If not, don't sweat it. This is for fun, right?  
> Thanks and regards,  
> Mike Maiorana KU4QO  
>  
>  
> > Z0153   KU4QO   559       559       FL       MIKE           1W  
>

I will update the list, the Excel file and the website as soon as possible.

72,

Paul, Wv3j

-----  
Date: Thu, 03 Feb 2000 15:12:33 -0500  
From: "Caitlyn M. Martin" <caitlyn@netferrets.net>  
To: "Mel Evans, Registered Arachne User" <mel@euramcom.freeserve.co.uk>  
Cc: qrp-1@lehigh.edu  
Subject: [62062] Re: "Free" Internet access  
Message-ID: <3899E131.BB4CFE2A@netferrets.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi, Mel,

> Provided you have the phone number for the ISP, and the primary and  
> secondary DNS numbers, you can configure ARACHNE to work with most, if  
> not all ISP's.

Arachne is not yet available for Linux, but I do recommend it for DOS users.  
I use kppp for my dialer and generally Netscape for my browser. E-mail I split  
by accounts, using a mixture of Netscape and KMail.

"Free" ISPs generally require you to use at least some of their own software,  
which in turn requires Windows.

> The DNS numbers are the four group numbers as example:  
>  
> 194.152.63.45  
>  
> You can get these DNS numbers from the ISP's Tech support guys, but they  
> will ask you why you need them.

Errr... I have to chuckle a bit. I'm a computer network engineer by trade, and  
I am in the process of opening a company that will offer both ISP and web  
hosting services.

> Tell them you are running in DOS.

But I am \*not\* :)

Seriously, Arachne is a very nice program for DOS users to setup Internet access, mail, and web browsing,

73,  
Caity  
KU4QD

-----  
Date: Thu, 3 Feb 2000 14:12:06 -0600  
From: "Randall" <Firefox@Southwind.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [62063] Re: Free internet access problems  
Message-ID: <002201bf6e82\$f2519560\$5d5986d1@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I was wondering if any of the "free" ISP's used 800 numbers.  
Sounds like just the thing for checking e-mail while on the road.  
Anybody know anything about this ????

Randall

----- Original Message -----  
From: Don Wilhelm <w3fpr@arrl.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Sent: Thursday, February 03, 2000 8:45 AM  
Subject: Free internet access problems

> Folks,  
> There have been several recent posts about free ISPs.  
> I have used several of the free internet access programs, and am pleased  
> with most - they have their drawbacks in the ad banners, but OTOH they are  
> free.  
>  
> I just recently loaded Bluelight.com, and found it also installed Yahoo  
> messenger for me. THEN, I discovered that something had bound file and  
> printer sharing to the TCP/IP protocol. As far as I am concerned, this is  
> a  
> serious privacy issue.  
>  
> I may be hasty in blaming Bluelight.com, but I am not happy with the

result  
> right now.  
> I thought others might like to know.  
>  
> 73,  
>  
> Don Wilhelm -Chapel Hill, NC  
> W3FPR QRP-L # 485 K2 SN 0020  
>  
>  
>  
> -----  
> NetZero - Defenders of the Free World  
> Get your FREE Internet Access and Email at  
> <http://www.netzero.net/download/index.html>  
>

-----  
Date: Thu, 03 Feb 2000 15:26:26 -0800  
From: Bob Kellogg <ae4ic@nr.infi.net>  
To: wb8qyy@one.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [62064] QRP Power designation  
Message-ID: <389A0EA2.79B7F960@nr.infi.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gang,

Well, it looks like there are at least two ways to look at the decimal issue!

Maybe we should seriously consider using "W" in place of a decimal point when describing QRP power. It seems this method would have these advantages:

1. Indicate Watts without further explanation.
2. Have some consistency with the way hams in other countries indicate the decimal.
3. Accurately state low power levels with few digits.

To summarize, usage would be like this:

50 Watts = 50w

1.5 Watts = 1w5

500 mW or .5 Watts = w5

50mW or .05 Watts = w05

All we have to do is start indicating power in this manner, and before long, everyone will "get" it.

CUL,  
Bob Kellogg, AE4IC Greensboro, NC  
Prolably, not nececelery. - Benny Hill

-----  
Date: Thu, 3 Feb 2000 15:36:58 -0500 (EST)  
From: Bob Patten <n4bp@bc.seflin.org>  
To: Bob Kellogg <ae4ic@nr.infi.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [62065] Re: QRP Power designation  
Message-ID: <Pine.3.89.10002031513.B6543-0100000@bc.seflin.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 3 Feb 2000, Bob Kellogg wrote:

>  
> To summarize, usage would be like this:  
> 50 Watts = 50w  
> 1.5 Watts = 1w5  
> 500 mW or .5 Watts = w5  
> 50mW or .05 Watts = w05  
>  
> All we have to do is start indicating power in this manner, and before  
> long, everyone will "get" it.  
>  
I liked it when you suggested it in the sprint contest rules and I still like it! Gets my vote.

73,

Bob Patten, N4BP

( 0 0 )

Plantation, FL

-----o00o-( )-o00-----

E-Mail: n4bp@bc.seflin.org  
Web Page: <http://www.qsl.net/n4bp>  
Brass Pounder BBS: (954) 472-7715

-----  
Date: Thu, 3 Feb 2000 13:41:33 -0700



From: Bob Nielsen <nielsen@primenet.com>  
To: qrp-1@Lehigh.EDU  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [62066] Re: low power psk31  
Message-ID: <20000203134133.B28943@bob.localnet>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

This would only be legal on band segments where both phone and data were legal, which in the US would rule out any bands below 6 meters. It should, but wouldn't offer the advantages PSK31 has as a narrow-band mode.

Bob, N7XY

On Thu, Feb 03, 2000 at 01:33:54PM -0600, Richard Matthews wrote:

>  
> Could you not use PSK31 software to send it by any modulated mode? AM  
> phone? VHF FM? All the computer cares about is audio input right?  
>  
> Just playing around with digipan, I can send PSK31 output audio from my  
> computer into a recorder and then take the recording and feed back into my  
> computer and it doesn't miss a letter. No magic there.  
>  
> I realize that sideband is probably the best mode but is PSK31  
> transmissions legal on AM phone and FM?  
>  
> 73 de WA4NWW, Richard PSK31 novice  
>  
>  
>  
>  
> 02:11 PM 2/3/00 -0500, you wrote:  
> >The noise that comes out of a PSK31 transmitter is a double  
> >sideband suppressed carrier signal - good old DSB.  
> >  
> >When you use an SSB transmitter to generate PSK31 all you're  
> >doing is shifting the frequency spectrum of the signal.  
> >  
> >You could generate PSK31 by feeding raised cosine pulses to  
> >a DSB transmitter. I've never heard of anybody doing this,  
> >though it would be a natural for a simple implementation like  
> >a microcontroller-based beacon.  
> >--  
> >Laura Halliday VA3LDH "

--

Bob Nielsen, N7XY (RN2)

nielsen@primenet.com

Tucson, AZ DM42nh QRP-L #1985

<http://www.primenet.com/~nielsen>

-----  
Date: Thu, 3 Feb 2000 15:45:10 EST  
From: RangerSF5@aol.com  
To: dub@oklahoma.net, qrp-1@lehigh.edu  
Subject: [62067] Re: "Free" Internet access  
Message-ID: <98.1416bc5.25cb42d6@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

In a message dated 2/3/00 3:06:22 PM Eastern Standard Time, dub@oklahoma.net writes:

<< in Okla City. All are identical to access numbers for NetZero. One Freebie leasing service from another??? "72"  
- >>

Same here in Bordentown,NJ.

My main number is the same that netzero has.

On another note,

I just downloaded FREEI and it SUCKS.

Nothing but errors,can't register,can't locate the access numbers,then my password is not valid.

So far Bluelight.com has been good to me and runs pretty fast.

To many free ISP's out there now and the paid ISP's are getting worried.

Bob

WA2HQrp <tm>

-----  
Date: Thu, 03 Feb 2000 15:54:12 -0500  
From: Brian <brian@iquest.net>  
To: QRP-L <qrp-1@lehigh.edu>  
Subject: [62068] OT: Free ISP's  
Message-ID: <3899EAF4.4D03EF55@iquest.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

It's been my experience, that you usually get exactly what you pay for, and sometimes even less. Proceed with caution.

72 y'all

--

=====

KB9BVN :NORCAL #2792 FISTS #5695/CC# 764 QRP-L #1540  
39.558 N 86.095 W Johnson Co., Indiana  
GRID: EM69WN - TenTec Scout - Attic Dipole - 5w  
Proud member of the American Radio Relay League  
Foxhunting Team UNDERDOG - Underdog #4

=====

-----

Date: Wed, 02 Feb 2000 20:23:00 +0000  
From: Arjen Raateland <Arjen.Raateland@vyh.fi>  
To: QRP-L <QRP-L@lehigh.edu>  
Subject: [62069] 6 m transverter from 2 m or 20 m?  
Message-ID: <38989224.3EB5@vyh.fi>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Hi,

There generally seems to be a choice of 6 m transverters with either a 2 m IF or a 20 m IF. E.g. the Ten-Tec models come in these two versions.

As a 2 m SSB rig I have the FT-290 RII. It's tuning system is so awkward, that this feature alone may decide the choice. I've also heard that the FT-290's SSB signal isn't that great. It also doesn't have a CW filter at all. The single positive thing here may be that it covers all 2 MHz (European model).

When a K2 is used as the IF, the frequency range is limited, although more than the 350 kHz that the 20 m band is wide in Europe. I haven't yet tried out how far up I can go with my K2. Otherwise the K2 is certainly the better IF rig of the 2.

Is it a problem to have only part of the 6 m band?

73,

--

Arjen Raateland  
oh2zaz

SAS Support  
Finnish Environment Institute, Helsinki

AX.25: OH2ZAZ@OH2RBI.FIN.EU

-----  
Date: Thu, 3 Feb 2000 13:15:50 -0800 (PST)  
From: Monte Stark <ku7y@dri.edu>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [62070] Re: OT: Free ISP's  
Message-ID: <Pine.GS0.4.10.10002031311390.2243-1000000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

One of the local providers here told me about a service they have called "IPASS".

At one time it cost you an extra \$3/month. Now they include it in the basic cost.

What it does is provide you with a local number anywhere you are in the country. (Well, that's what he said, anywhere!) There is a \$0.03/min cost while you use one of the local numbers.

Seems like there is a lot of ways to get the job done.

When we get out on the road I plan to get my email via HF Pactor II.

cul,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....  
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

-----  
Date: Thu, 3 Feb 2000 13:27:34 -0800  
From: Dave Barrett <DBarrett@creo.com>  
To: "'n4bp@bc.seflin.org'" <n4bp@bc.seflin.org>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [62071] RE: QRP Power designation  
Message-ID: <BFEEFC3386986D2119C0800A0C99B5DE6011871D8@msgcreo3.creo.bc.ca>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Please excuse my old and tired English heritage brain, but I'm confused as to why we would want to change 1.5w to 1w5 or .5w to w5.....Am I confused or what.

This designation scheme was developed to allow easier reading of component values on tiny parts.... I.E. the part numbers were so small the dot was becoming invisible to the naked eye or was not printed by the machine at all. So the manufacturers in Europe came up with 1R5 style designators, however it was meant for "component" values....do we really need to change one letter for another ??

Seems awful unnecessary to me??

Dave VA7DB

-----Original Message-----

From: Bob Patten [mailto:n4bp@bc.seflin.org]  
Sent: Thursday, 03 February, 2000 12:37 PM  
To: Low Power Amateur Radio Discussion  
Subject: Re: QRP Power designation

On Thu, 3 Feb 2000, Bob Kellogg wrote:

>  
> To summarize, usage would be like this:  
> 50 Watts = 50w  
> 1.5 Watts = 1w5  
> 500 mW or .5 Watts = w5  
> 50mW or .05 Watts = w05  
>  
> All we have to do is start indicating power in this manner, and before  
> long, everyone will "get" it.  
>

I liked it when you suggested it in the sprint contest rules and I still like it! Gets my vote.

73,

Bob Patten, N4BP

( 0 0 )

Plantation, FL

-----o00o-()-o00-----

-----  
E-Mail: n4bp@bc.seflin.org  
Web Page: <http://www.qsl.net/n4bp>  
Brass Pounder BBS: (954) 472-7715  
-----

Date: Thu, 3 Feb 2000 16:35:24 -0500  
From: "Pastor-kc1di" <ELBC@PIVOT.NET>  
To: <prm@hiwaay.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [62072] Re: low power psk31  
Message-ID: <003f01bf6e8e\$9a43a8c0\$d210a1d0@elbc>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Richard,  
I'm currently using Digipan and love it , have tried most of the others and like Digipan the best so far.

73 dave

----- Original Message -----

From: "Richard Matthews" <prm@hiwaay.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Thursday, February 03, 2000 2:50 PM  
Subject: Re: low power psk31

>  
> I'm wondering how many QRP PSK31 ops are using digipan? Is there better  
> software? Also is anyone using one of the cheap Radioshack SSBs 10m XCVR  
> with PSK31?  
>  
> If you have digipan and haven't tried it, I have, feed a music audio  
source  
> into RCV . . . . yep it prints out gibberish but makes an impressive  
> graphical display of all the audio frequencies.  
>  
> I've just came up with an idea to sell to teenagers with the loud car  
music  
> amp systems. We will market a simple computer running digipan so they can  
> hook up their megawatt amps and an input mike and communicate car to car  
> using PSK31 . . . . .imagine the noise :-).  
>  
> 73 de WA4NWW Richard if anyone markets this, I want royalties  
>

-----  
Date: Thu, 3 Feb 2000 15:51:00 -0600  
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>  
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Subject: [62073] 6 meter transverter  
Message-ID: <0974781F4FC8D211A24600902727E806011B1E15@saturn.rose.cc.ok.us>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Arjen,

Try Down East Microwave. I am sure they have a six meter transverter that uses a 28 Mhz IF and covers the whole band. You can get one for 26 Mhz to 30 Mhz if your HF rig will tune that far or I think they can put a switch for two 2-Mhz segments.

Their web site is: [www.downeastmicrowave.com](http://www.downeastmicrowave.com)

They make transverters for every band you could dream of. Real good company.

Hal

-----  
Date: Thu, 03 Feb 2000 16:11:08 -0600  
From: markmilburn <markmilburn@netzero.net>  
To: RangerSF5@aol.com  
Cc: QRP-L <qrp-l@lehigh.edu>  
Subject: [62074] Re: "Free" Internet access  
Message-ID: <3899FCFC.FCFCF485@netzero.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

>>I just downloaded FREEI and it SUCKS.

I have Freei AltaVista and NetZero all working on my computer, and they work just fine. I like NetZero best because it has the best mail system. I also have JUNO for which I pay \$2.95 a month and it works very well.

Who knows why some people have trouble and others don't? It may be the computer you use, or the location you are in. Don't let somebody else's experience keep you from trying something .. try it and see how it works for you on your computer at your location.

72 mark

-----  
NetZero - Defenders of the Free World  
Get your FREE Internet Access and Email at  
<http://www.netzero.net/download/index.html>  
-----

Date: Thu, 03 Feb 2000 17:23:59 -0800  
From: Bob Kellogg <ae4ic@nr.infi.net>  
To: mmullins@mastnet.net  
Cc: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [62075] Re: xtal bandpass filters: Emtech NW8020  
Message-ID: <389A2A2F.D452819E@nr.infi.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Mike,

Mike Mullins wrote:

> 1. Do all NW8020's have this problem, or have I messed up somewhere?  
No, all NW8020's don't have the problem. I have five of them, and none of them have the problem, now.

I can't answer your other questions with authority, however, I can tell you something that may be helpful. I did find that adjusting the BFO and the transmit trimmer was sometimes tricky, and seem to recall that I may have added a few pF to one of them to bring it in line.

One of the rigs I built had the problem you mention. I talked to Roy Gregson, the designer, about it, and he discovered that he had a problem with the equipment he was using to match crystals. He sent me a new set, and the problem went away.

I don't know what equipment he used, nor what his tolerances were.

I would suggest that you contact Steve Gregson, Roy's son, who is still operating Roy's business. He can probably tell you what standards were used for crystal matching, at least. EMTECH has a website, I believe.

CUL,  
Bob Kellogg, AE4IC Greensboro, NC  
Probably, not nececelery. - Benny Hill

-----  
Date: Thu, 03 Feb 2000 16:34:39 -0600  
From: "George T. Baker" <w5yr@att.net>  
To: prm@hiwaay.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [62076] Re: low power psk31  
Message-ID: <389A027E.CD5C4DAE@att.net>



MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Laura makes an interesting comment on PSK31. It is a two-tone signal while in the IDLE state but is a constant-amplitude "carrier" whose phase is being shifted 180 degrees at a 31.25 baud rate while characters are being transmitted. This can be readily seen by looking at the audio output of a receiver tuned to a PSK31 signal.

If you want the ultimate in RF QRP, just allow one computer to "hear" PSK31 warbles from the speaker of a second computer and vice versa. You can get perfect copy "across a crowded room." Infinite miles per (rf) watt . . .

This is frequently used to demo PSK31 at club meetings, etc. with a couple of laptop computers.

Seriously, PSK31 CAN be operated across any path provided that the medium is reasonably linear: little or no distortion. Legal? Hard to break many rules transmitting an audio signal that resides in a 31.25 Hz bandwidth.

Main problem with PSK31 operation is accurate tuning at the r-f level, but working at audio sets that aside.

72/73, George  
Fairview, TX 30 mi NE Dallas in Collin county  
Amateur Radio W5YR, in the 54th year and it just keeps getting better!  
R/C since 1964 - AMA 98452 RVing since 1972

Richard Matthews wrote:

>  
> Could you not use PSK31 software to send it by any modulated mode? AM  
> phone? VHF FM? All the computer cares about is audio input right?

> >The noise that comes out of a PSK31 transmitter is a double  
> >sideband suppressed carrier signal - good old DSB.

> >Laura Halliday VA3LDH "

--

-----

Date: Thu, 03 Feb 2000 16:42:18 -0600  
From: "George T. Baker" <w5yr@att.net>  
To: prm@hiwaay.net

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [62077] Re: low power psk31  
Message-ID: <389A044A.B7E269D0@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I use DigiPan more for CW operation than for PSK31! And, yes, after I have tried all the others, it is my main PSK31 program.

The ability to monitor activity in up to a 3.5 KHz bandwidth (with my Kachina transceiver) makes CW operation a snap, particularly in a Fox Hunt in which you can clearly see where the Hounds are operating. This visual aid to the Hunt has really helped me to better "see" what the Fox is doing, where the Hounds are hanging out, when "who" is calling "where," etc. I have been batting 1000 - well, almost! - since getting the Kachina and running CW with DigiPan. And, yes, the Kachina will put out 5 watts to within 0.3 db. ain't computer control great?

As far as the teenagers are concerned, getting them on PSK31 would be like the Army: ANY CHANGE is an improvement! ;^) That melodic warble would sound so much better than rap!

72/73, George  
Fairview, TX 30 mi NE Dallas in Collin county  
Amateur Radio W5YR, in the 54th year and it just keeps getting better!  
R/C since 1964 - AMA 98452 RVing since 1972

Richard Matthews wrote:

>

> I'm wondering how many QRP PSK31 ops are using digipan?

> I've just came up with an idea to sell to teenagers with the loud car music  
> amp systems.

-----

Date: Thu, 3 Feb 2000 16:42:53 -0600  
From: "Bob Helms" <af5z@inetport.com>  
To: "QRP-L Reflector" <qrp-l@lehigh.edu>  
Subject: [62078] FYBO - Texas Tarantulas get chilly  
Message-ID: <200002032243.QAA00233@admin.inetport.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

In response to the poll of who will operate the FYBO event this weekend.....

The QRP-L Foxhunt Team - - TEXAS TARANTULAS will operate portable outdoors at Cedar Breaks Park on Lake Georgetown in central Texas. Listen for

K5LN Bill  
N5IW Dave  
N5TW Tom  
AF5Z Bob

A variety of rigs and antennas will be used on 40 through 10 meters CW ONLY. These include a 3 element triband yagi at 30 feet, a multiband vertical and one or more wires (likely a balanced line to a loop or dipole).

The site overlooks the water to the north and usually provides excellent signals.

72,  
Bob Helms, AF5Z  
af5z@inetport.com

-----  
Date: Thu, 03 Feb 2000 16:47:06 -0600  
From: "Ed Manuel (N5EM)" <n5em@flash.net>  
To: qrp-l@Lehigh.EDU  
Subject: [62079] Re: 6 m transverter from 2 m or 20 m?  
Message-ID: <4.1.20000203163954.00a24e20@pop.flash.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Well, it depends. There are those who want multimode (CW, SSB, FM, maybe even AM) capabilities on 6M. For those, a MM 2M rig is the right choice. There are some fun 6M FM repeaters to play with. Generally, that ends up being a specialized rig with tone squelch anyway.

However, I rarely use AM or FM on 6M. I much prefer to operate SSB or CW and for that, 350 khz. at the bottom of the band is certainly adequate. Recent discussions of where to operate on 6m highlight that most of the hot action occurs below 50.300 khz. I used to have an IC-502 (rue the day I ever sold it) and it covered 50 - 51. I never tuned it above 50.3 or so.

Apologies to the folks who work AM on 50.4. Please, no flames.

Having a K2 with the TenTec transverter working into 20 meters would be a fine combo.

Maybe if more of us had really fine IF systems with first class sensitivity

and filters, there would be more folks to work on CW.

Ed, N5EM

>When a K2 is used as the IF, the frequency range is limited, although  
>more than the 350 kHz that the 20 m band is wide in Europe. I haven't  
>yet tried out how far up I can go with my K2. Otherwise the K2 is  
>certainly the better IF rig of the 2.

>

>Is it a problem to have only part of the 6 m band?

>

>73,

>--

>Arjen Raateland

-----  
Date: Thu, 3 Feb 2000 14:49:45 -0800 (PST)  
From: Jim Durkin <jimdurkin@yahoo.com>  
To: brian@iquest.net, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [62080] Re: OT: Free ISP's  
Message-ID: <20000203224945.558.qmail@web307.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Brian,

I have Netzero on the laptop and use it to access the  
internet from various work sites in the state of  
Georgia. Have had no problems so far. Hope this is  
not hexing myself<G>.

73

Jim kt4a

--- Brian <brian@iquest.net> wrote:

> It's been my experience, that you usually get  
> exactly what you pay for,  
> and sometimes even less. Proceed with caution.

>

> 72 y'all

>

> --

>

=====  
> KB9BVN :NORCAL #2792 FISTS #5695/CC# 764 QRP-L  
> #1540  
> 39.558 N 86.095 W Johnson Co., Indiana

> GRID: EM69WN - TenTec Scout - Attic Dipole - 5w  
> Proud member of the American Radio Relay League  
> Foxhunting Team UNDERDOG - Underdog #4  
>

=====

>

-----  
Do You Yahoo!?  
Talk to your friends online with Yahoo! Messenger.  
<http://im.yahoo.com>

-----  
Date: Thu, 3 Feb 2000 18:38:38 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [62081] Re: 6 meter transverter  
Message-ID: <200002032318.SAA06243@wolf.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

> Try Down East Microwave. I am sure they have a six meter transverter that  
> uses a 28 Mhz IF and covers the whole band. You can get one for 26 Mhz to

28 Mhz is a poor choice for a 6 meter transverter. The 2nd harmonic  
of 28 is just too close to 50 to be able to filter it out well.  
Belive me, it will come out of the mixer and it will be amplified down  
the line...The spectral purity rules for 6 M and above are pretty  
stringent to begin with, no need to go adding trouble to mix :-)

14 Mhz is a much better choice, which is why most  
transverters use it and very few, if any use 28.

72,  
Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----  
Date: Thu, 03 Feb 2000 15:42:23 -0800  
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>  
To: SBillingsley@usaninc.com  
Cc: QRP-L <qrp-l@lehigh.edu>  
Subject: [62082] Re: Where to get a Spec sheet and order form for W6MMA SLV?  
Message-ID: <389A125F.ED3CC8DE@elecraft.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Try <http://www.superantennas.com>

73, Eric WA6HHQ  
[www.elelcraft.com](http://www.elelcraft.com)

-----

End of QRP-L Digest 1720

\*\*\*\*\*

-----